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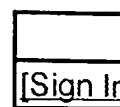
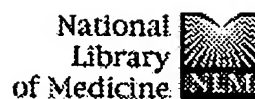


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<input type="checkbox"/>	L34	(CHAPSO)	1104
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☐ **1:** [Faham S, Boulting GL, Massey EA, Yohannan S, Yang D, Bowie JU.](#) Related Article.

Crystallization of bacteriorhodopsin from bicelle formulation at room temperature.  
 Protein Sci. 2005 Mar;14(3):836-40. Epub 2005 Feb 2.  
 PMID: 15689517 [PubMed - in process]

☐ **2:** [Gehrig-Burger K, Kohout L, Gimpl G.](#) Related Article.

CHAPSTEROL. A novel cholesterol-based detergent.  
 FEBS J. 2005 Feb;272(3):800-12.  
 PMID: 15670160 [PubMed - in process]

☐ **3:** [Carter TL, Verdile G, Groth D, Bogush A, Thomas S, Shen P, Fraser PE, Mathews P, Nixon RA, Ehrlich ME, Kwok JB, St George-Hyslop P, Schofield P, Li Y, Yang A, Martins RN, Gandy S.](#) Related Article.


Alzheimer amyloid precursor aspartyl proteinase activity in CHAPSO homogenates of Spodoptera frugiperda cells.  
 Alzheimer Dis Assoc Disord. 2004 Oct-Dec;18(4):261-3.  
 PMID: 15592142 [PubMed - in process]

☐ **4:** [Hansson CA, Frykman S, Farmery MR, Tjernberg LO, Nilsberth C, Pursglove SE, Ito A, Winblad B, Cowburn RF, Thyberg J, Ankarcrona M.](#) Related Article.

Nicastrin, presenilin, APh-1, and PEN-2 form active gamma-secretase complexes in mitochondria.  
 J Biol Chem. 2004 Dec 3;279(49):51654-60. Epub 2004 Sep 28.  
 PMID: 15456764 [PubMed - indexed for MEDLINE]

☐ **5:** [Wrigley JD, Nunn EJ, Nyabi O, Clarke EE, Hunt](#) Related Article.


P, Nadin A, De Strooper B, Shearman MS, Beher D.

-  Conserved residues within the putative active site of gamma-secretase differentially influence enzyme activity and ligand binding.

J Neurochem. 2004 Sep;90(6):1312-20.

PMID: 15341515 [PubMed - indexed for MEDLINE]


- ☐ **6:** Fraering PC, Ye W, Strub JM, Dolios G, LaVoie MJ, Ostaszewski BL, van Dorsselaer A, Wang R, Selkoe DJ, Wolfe MS. Related Article.

-  Purification and characterization of the human gamma-secretase complex.

Biochemistry. 2004 Aug 3;43(30):9774-89.

PMID: 15274632 [PubMed - indexed for MEDLINE]


- ☐ **7:** Aced PA, Sperry AE, Young CL, Nagiec MM, Elhammer AP. Related Article.

-  Effect of membrane perturbants on the activity and phase distribution of inositol phosphorylceramide synthase; development of a novel assay.

Biochemistry. 2004 Jul 6;43(26):8483-93.

PMID: 15222759 [PubMed - indexed for MEDLINE]


- ☐ **8:** Hadley MR, Harrison MW, Hutt AJ. Related Article

-  Use of chiral zwitterionic surfactants for enantiomeric resolutions by capillary electrophoresis.

Electrophoresis. 2003 Aug;24(15):2508-13.

PMID: 12900862 [PubMed - indexed for MEDLINE]


- ☐ **9:** LaVoie MJ, Fraering PC, Ostaszewski BL, Ye W, Kimberly WT, Wolfe MS, Selkoe DJ. Related Article.

-  Assembly of the gamma-secretase complex involves early formation of an intermediate subcomplex of Aph-1 and nicastrin.

J Biol Chem. 2003 Sep 26;278(39):37213-22. Epub 2003 Jul 11.

PMID: 12857757 [PubMed - indexed for MEDLINE]

- ☐ **10:** Babcock GJ, Farzan M, Sodroski J. Related Article.

-  Ligand-independent dimerization of CXCR4, a principal HIV-1 coreceptor.

J Biol Chem. 2003 Jan 31;278(5):3378-85. Epub 2002 Nov 13.



PMID: 12433920 [PubMed - indexed for MEDLINE]

- ☐ **11:** Santos HL, Lamas RP, Ciancaglini P. Related Article.



Solubilization of Na,K-ATPase from rabbit kidney outer medulla using only C12E8.

Braz J Med Biol Res. 2002 Mar;35(3):277-88.

PMID: 11887205 [PubMed - indexed for MEDLINE]

- ☐ **12:** Evin G, Sharples RA, Weidemann A, Reinhard FB, Carbone V, Culvenor JG, Holsinger RM, Sernee MF, Beyreuther K, Masters CL. Related Article.



Aspartyl protease inhibitor pepstatin binds to the presen of Alzheimer's disease.

Biochemistry. 2001 Jul 27;40(28):8359-68.

PMID: 11444983 [PubMed - indexed for MEDLINE]

- ☐ **13:** Sherwood AL, Stroud MR, Levery SB, Holmes EH. Related Article



An amino acid region at the N-terminus of rat hepatoma: alpha1-->2 fucosyltransferase modulates enzyme activity interaction with lipids: strong preference for glycosphingolipids containing terminal Galbeta1-->3GalNAc-structures.

Biochemistry. 2001 May 15;40(19):5708-19.

PMID: 11341836 [PubMed - indexed for MEDLINE]

- ☐ **14:** Nomura K. Related Article.



Incomplete dialysis of protein samples containing 3-[(3-chloramidopropyl)dimethylammonio]-1-propanesulfonate may lead to erroneous estimation of histidine content on amino acid analysis.

Anal Biochem. 2001 Mar 1;290(1):98-101.

PMID: 11180942 [PubMed - indexed for MEDLINE]

- ☐ **15:** Musatov A, Ortega-Lopez J, Robinson NC. Related Article.



Detergent-solubilized bovine cytochrome c oxidase: dimerization depends on the amphiphilic environment.

Biochemistry. 2000 Oct 24;39(42):12996-3004.

PMID: 11041865 [PubMed - indexed for MEDLINE]


- ☐ **16:** Czerski L, Sanders CR. Related Article.




Functionality of a membrane protein in bicelles.

Anal Biochem. 2000 Sep 10;284(2):327-33.  
PMID: 10964416 [PubMed - indexed for MEDLINE]


☐ **17:** Ericke B. Related Article

 Quantitative determination of zwitterionic detergents us  
salt-induced phase separation of Triton X-100.  
Anal Biochem. 2000 Jun 1;281(2):144-50.  
PMID: 10870829 [PubMed - indexed for MEDLINE]


☐ **18:** Selkoe DJ, Wolfe MS. Related Article

 In search of gamma-secretase: presenilin at the cutting e  
Proc Natl Acad Sci U S A. 2000 May 23;97(11):5690-2. No ab:  
available.  
PMID: 10823929 [PubMed - indexed for MEDLINE]


☐ **19:** Li YM, Lai MT, Xu M, Huang Q, DiMuzio- Mower J, Sardana MK, Shi XP, Yin KC, Shafer JA, Gardell SJ. Related Article

 Presenilin 1 is linked with gamma-secretase activity in 1  
detergent solubilized state.  
Proc Natl Acad Sci U S A. 2000 May 23;97(11):6138-43.  
PMID: 10801983 [PubMed - indexed for MEDLINE]


☐ **20:** Gimpl G, Fahrenholz F. Related Article







 Human oxytocin receptors in cholesterol-rich vs. choles  
poor microdomains of the plasma membrane.  
Eur J Biochem. 2000 May;267(9):2483-97.  
PMID: 10785367 [PubMed - indexed for MEDLINE]








☐ **21:** Ahn J, Wong JT, Molday RS. Related Article

 The effect of lipid environment and retinoids on the AT  
activity of ABCR, the photoreceptor ABC transporter  
responsible for Stargardt macular dystrophy.  
J Biol Chem. 2000 Jul 7;275(27):20399-405.  
PMID: 10767284 [PubMed - indexed for MEDLINE]

☐ **22:** Tian F, Losonczi JA, Fischer MW, Prestegard JH. Related Article


 Sign determination of dipolar couplings in field-oriente  
bicelles by variable angle sample spinning (VASS).  
J Biomol NMR. 1999 Oct;15(2):145-50.  
PMID: 10605087 [PubMed - indexed for MEDLINE]

- ☐ **23:** Chen GQ, Gouaux E. Related Article.  
 Probing the folding and unfolding of wild-type and mutant forms of bacteriorhodopsin in micellar solutions: evaluation of reversible unfolding conditions.  
Biochemistry. 1999 Nov 16;38(46):15380-7.  
PMID: 10563824 [PubMed - indexed for MEDLINE]
- ☐ **24:** Cavagnero S, Dyson HJ, Wright PE. Related Article.  
 Improved low pH bicelle system for orienting macromolecules over a wide temperature range.  
J Biomol NMR. 1999 Apr;13(4):387-91.  
PMID: 10353198 [PubMed - indexed for MEDLINE]
- ☐ **25:** Jones MB, Garrison JC. Related Article.  
 Instability of the G-protein beta5 subunit in detergent.  
Anal Biochem. 1999 Mar 1;268(1):126-33.  
PMID: 10036171 [PubMed - indexed for MEDLINE]
- ☐ **26:** Wilson NA, Wolf P, Ploegh H, Ignatowicz L, Kappler J, Marrack P. Related Article.  
 Invariant chain can bind MHC class II at a site other than the peptide binding groove.  
J Immunol. 1998 Nov 1;161(9):4777-84.  
PMID: 9794409 [PubMed - indexed for MEDLINE]
- ☐ **27:** Lackner C, Daufeldt S, Wildt L, Allera A. Related Article.  
 Glucocorticoid-recognizing and -effector sites in rat liver plasma membrane. Kinetics of corticosterone uptake by isolated membrane vesicles. III. Specificity and stereospecificity.  
J Steroid Biochem Mol Biol. 1998 Jan;64(1-2):69-82.  
PMID: 9569012 [PubMed - indexed for MEDLINE]
- ☐ **28:** Losonczi JA, Prestegard JH. Related Article.  
 Nuclear magnetic resonance characterization of the myristoylated, N-terminal fragment of ADP-ribosylation factor 1 in a magnetically oriented membrane array.  
Biochemistry. 1998 Jan 13;37(2):706-16.  
PMID: 9425095 [PubMed - indexed for MEDLINE]
- ☐ **29:** Annabi B, van de Werve G. Related Article.


-  Evidence that the transit of glucose into liver microsomes is not required for functional glucose-6-phosphatase.  
Biochem Biophys Res Commun. 1997 Jul 30;236(3):808-13.  
PMID: 9245738 [PubMed - indexed for MEDLINE]
- ☐ **30:** Cladera J, Rigaud JL, Villaverde J, Dunach M. Related Article
-  Liposome solubilization and membrane protein reconstitution using Chaps and Chapso.  
Eur J Biochem. 1997 Feb 1;243(3):798-804.  
PMID: 9057848 [PubMed - indexed for MEDLINE]
- ☐ **31:** Mendoza-Hernandez G, Libreros-Minotta CA, Rendon JL. Related Article
-  Detergent solubilization of 3 beta-hydroxysteroid dehydrogenase from dog pancreas.  
Comp Biochem Physiol B Biochem Mol Biol. 1996 Oct;115(2)  
PMID: 8939006 [PubMed - indexed for MEDLINE]
- ☐ **32:** Kobayashi H, Munthali G, Miyamoto C, Morozumi T, Mitani K, Ito N, Shiono H, Yamamoto K. Related Article
-  A simple preparation of mycoplasmal DNA template for PCR from biological samples using effective surfactant  
J Vet Med Sci. 1996 May;58(5):477-9.  
PMID: 8741614 [PubMed - indexed for MEDLINE]
- ☐ **33:** Chen Y, Ma YT, Rando RR. Related Article
-  Solubilization, partial purification, and affinity labeling of the membrane-bound isoprenylated protein endoprotease  
Biochemistry. 1996 Mar 12;35(10):3227-37.  
PMID: 8605158 [PubMed - indexed for MEDLINE]
- ☐ **34:** Flanagan-Cato LM, Moga CN, Fluharty SJ. Related Article
-  Solubilization of oxytocin receptors in porcine renal LL-37 PK1 cell membranes.  
Peptides. 1996;17(2):251-6.  
PMID: 8801530 [PubMed - indexed for MEDLINE]
- ☐ **35:** Hare BJ, Prestegard JH, Engelman DM. Related Article
-  Small angle x-ray scattering studies of magnetically oriented lipid bilayers.

Biophys J. 1995 Nov;69(5):1891-6.  
PMID: 8580332 [PubMed - indexed for MEDLINE]


☐ **36:** Klein U, Gimpl G, Fahrenholz F. Related Article

 Alteration of the myometrial plasma membrane cholesterol content with beta-cyclodextrin modulates the binding of the oxytocin receptor.  
Biochemistry. 1995 Oct 24;34(42):13784-93.  
PMID: 7577971 [PubMed - indexed for MEDLINE]


☐ **37:** St-Denis JF, Annabi B, Khoury H, van de Werve G. Related Article

 Histone II-A stimulates glucose-6-phosphatase and reveals mannose-6-phosphatase activities without permeabilization of liver microsomes.  
Biochem J. 1995 Aug 15;310 ( Pt 1):221-4.  
PMID: 7646448 [PubMed - indexed for MEDLINE]


☐ **38:** Banerjee P, Joo JB, Buse JT, Dawson G. Related Article

 Differential solubilization of lipids along with membrane proteins by different classes of detergents.  
Chem Phys Lipids. 1995 Aug 1;77(1):65-78.  
PMID: 7586093 [PubMed - indexed for MEDLINE]


☐ **39:** Sanders CR 2nd, Landis GC. Related Article

 Reconstitution of membrane proteins into lipid-rich bilayers and mixed micelles for NMR studies.  
Biochemistry. 1995 Mar 28;34(12):4030-40.  
PMID: 7696269 [PubMed - indexed for MEDLINE]







☐ **40:** Cao YJ, Gimpl G, Fahrenholz F. Related Article







 Molecular structure analysis of the pituitary adenylate cyclase activating polypeptide type I receptor from pig.  
Biochim Biophys Acta. 1994 Jul 21;1222(3):432-40.  
PMID: 8038212 [PubMed - indexed for MEDLINE]








☐ **41:** Henderson JM, Iannucci RM, Petersheim M. Related Article

 An NMR study of pyridine associated with DMPC liposomes and magnetically ordered DMPC-surfactant mixed micelles.  
Biophys J. 1994 Jul;67(1):238-49.  
PMID: 7918992 [PubMed - indexed for MEDLINE]

Schafer H, Walli R, Morys-Wortmann C,

- ☐ **42:** Paetzold G, Schmidt WE. Related Article.  
 Purification of the PACAP-1 receptor by ligand affinity chromatography.  
Z Gastroenterol. 1994 Apr;32(4):208-12.  
PMID: 8017095 [PubMed - indexed for MEDLINE]
- ☐ **43:** Klein U, Fahrenholz F. Related Article.  
 Reconstitution of the myometrial oxytocin receptor into proteoliposomes. Dependence of oxytocin binding on cholesterol.  
Eur J Biochem. 1994 Mar 1;220(2):559-67.  
PMID: 8125115 [PubMed - indexed for MEDLINE]
- ☐ **44:** Hu S, Franklin PJ, Wang J, Ruiz Silva BE, Derguini F, Nakanishi K, Chen AH. Related Article.  
 Unbleachable rhodopsin with an 11-cis-locked eight-membered ring retinal: the visual transduction process.  
Biochemistry. 1994 Jan 18;33(2):408-16. Erratum in: Biochemistry. 1994 Apr 26;33(16):4994.  
PMID: 8286371 [PubMed - indexed for MEDLINE]
- ☐ **45:** Quadros EV, Sai P, Rothenberg SP. Related Article.  
 Characterization of the human placental membrane receptor for transcobalamin II-cobalamin.  
Arch Biochem Biophys. 1994 Jan;308(1):192-9.  
PMID: 8311452 [PubMed - indexed for MEDLINE]
- ☐ **46:** Bhogal R, Smith DM, Bloom SR. Related Article.  
 Solubilization of binding sites for IAPP and CGRP from lung.  
Peptides. 1994;15(8):1383-90.  
PMID: 7700841 [PubMed - indexed for MEDLINE]
- ☐ **47:** Aubin Y, Ito Y, Paulson JC, Prestegard JH. Related Article.  
 Structure and dynamics of the sialic acid moiety of GM ganglioside at the surface of a magnetically oriented membrane.  
Biochemistry. 1993 Dec 14;32(49):13405-13.  
PMID: 8257677 [PubMed - indexed for MEDLINE]
- ☐ **48:** Schafer H, Schmidt WE. Related Article.  
Characterization and purification of the solubilized pitu


-  adenylate-cyclase-activating polypeptide-1 receptor from porcine brain using a biotinylated ligand.  
Eur J Biochem. 1993 Nov 1;217(3):823-30.  
PMID: 8223638 [PubMed - indexed for MEDLINE]
- ☐ **49:** Hassanain HH, Dai W, Gupta SL. Related Article
-  Enhanced gel mobility shift assay for DNA-binding factor  
Anal Biochem. 1993 Aug 15;213(1):162-7.  
PMID: 8238869 [PubMed - indexed for MEDLINE]
- ☐ **50:** Fujii E, Oku M, Adachi S, Otsuki T, Ichijo M, Morimoto K. Related Article
-  [Effects of steroid hormones on change in  $[Ca^{2+}]_i$  following oxytocin stimulation in cultured human myometrial cells on myometrial oxytocin receptor]  
Nippon Sanka Fujinka Gakkai Zasshi. 1993 Jul;45(7):636-42.  
Japanese.  
PMID: 8393468 [PubMed - indexed for MEDLINE]
- ☐ **51:** Sanders CR 2nd, Schaff JE, Prestegard JH. Related Article
-  Orientational behavior of phosphatidylcholine bilayers in the presence of aromatic amphiphiles and a magnetic field.  
Biophys J. 1993 Apr;64(4):1069-80.  
PMID: 8494971 [PubMed - indexed for MEDLINE]
- ☐ **52:** Sanders CR 2nd. Related Article
-  Solid state  $^{13}C$  NMR of unlabeled phosphatidylcholine bilayers: spectral assignments and measurement of carbon-phosphorus dipolar couplings and  $^{13}C$  chemical shift anisotropies.  
Biophys J. 1993 Jan;64(1):171-81.  
PMID: 8431541 [PubMed - indexed for MEDLINE]
- ☐ **53:** Kirkeby S, Moe D, Bog-Hansen T, Garbarsch C, Matthiessen ME. Related Article
-  Quantitative PAS assay of some carbohydrate compounds and detergents.  
J Biochem Biophys Methods. 1992 Jun;24(3-4):225-38.  
PMID: 1640055 [PubMed - indexed for MEDLINE]
- ☐ **54:** Schafer H, Schwarzhoff R, Creutzfeldt W, Schmidt WE. Related Article

-  Characterization of a guanosine-nucleotide-binding-pro coupled receptor for pituitary adenylate-cyclase-activat polypeptide on plasma membranes from rat brain.  
Eur J Biochem. 1991 Dec 18;202(3):951-8.  
PMID: 1662620 [PubMed - indexed for MEDLINE]
- ☐ **55:** Gartner W, Ullrich D, Vogt K. Related Article
-  Quantum yield of CHAPSO-solubilized rhodopsin and hydroxy retinal containing bovine opsin.  
Photochem Photobiol. 1991 Dec;54(6):1047-55.  
PMID: 1837929 [PubMed - indexed for MEDLINE]
- ☐ **56:** Thorgeirsson TE, Milder SJ, Miercke LJ, Betlach MC, Shand RF, Stroud RM, Kliger DS. Related Article
-  Effects of Asp-96----Asn, Asp-85----Asn, and Arg-82-- single-site substitutions on the photocycle of bacteriorhodopsin.  
Biochemistry. 1991 Sep 24;30(38):9133-42.  
PMID: 1892824 [PubMed - indexed for MEDLINE]
- ☐ **57:** Ohno N, Tanida N, Yadomae T. Related Article
-  Characterization of complex formation between lipopolysaccharide and lysozyme.  
Carbohydr Res. 1991 Jul 18;214(1):115-30.  
PMID: 1954626 [PubMed - indexed for MEDLINE]
- ☐ **58:** Pedder EK, Eveleigh P, Poyner D, Hulme EC, Birdsall NJ. Related Article
-  Modulation of the structure-binding relationships of antagonists for muscarinic acetylcholine receptor subty  
Br J Pharmacol. 1991 Jun;103(2):1561-7.  
PMID: 1884110 [PubMed - indexed for MEDLINE]
- ☐ **59:** Ketchum PA, Denariatz G, LeGall J, Payne WJ. Related Article
-  Menaquinol-nitrate oxidoreductase of Bacillus halodenitrificans.  
J Bacteriol. 1991 Apr;173(8):2498-505.  
PMID: 2013572 [PubMed - indexed for MEDLINE]
- ☐ **60:** Sanders CR 2nd, Prestegard JH. Related Article
-  Magnetically orientable phospholipid bilayers containir small amounts of a bile salt analogue, CHAPSO.




Biophys J. 1990 Aug;58(2):447-60.  
PMID: 2207249 [PubMed - indexed for MEDLINE]


☐ **61:** Yang R, Yoshino TP. Related Article

 Immunorecognition in the freshwater bivalve, *Corbicula fluminea*. I. Electrophoretic and immunologic analyses of opsonic plasma components.  
Dev Comp Immunol. 1990 Fall;14(4):385-95.  
PMID: 2086269 [PubMed - indexed for MEDLINE]


☐ **62:** Engelhard M, Hess B, Metz G, Kreutz W, Siebert F, Soppa J, Oesterhelt D. Related Article

 High resolution <sup>13</sup>C-solid state NMR of bacteriorhodopsin: assignment of specific aspartic acids and structural implications of single site mutations.  
Eur Biophys J. 1990;18(1):17-24.  
PMID: 1968385 [PubMed - indexed for MEDLINE]


☐ **63:** Miercke LJ, Stroud RM, Dratz EA. Related Article

 Preparative purification of functional bacteriorhodopsin by high-performance size-exclusion chromatography.  
J Chromatogr. 1989 Dec 8;483:331-40.  
PMID: 2560474 [PubMed - indexed for MEDLINE]


☐ **64:** Clarke BL, Naylor C, Lennarz WJ. Related Article

 Comparative studies on mannosylphosphoryl dolichol and glucosylphosphoryl dolichol synthases.  
Chem Phys Lipids. 1989 Nov;51(3-4):239-47.  
PMID: 2532983 [PubMed - indexed for MEDLINE]

☐ **65:** König B, Welte W, Hofmann KP. Related Article


 Photoactivation of rhodopsin and interaction with transmembrane proteins in detergent micelles. Effect of 'doping' with steroid molecules.  
FEBS Lett. 1989 Oct 23;257(1):163-6.  
PMID: 2806558 [PubMed - indexed for MEDLINE]

☐ **66:** Tran JM, Henry HL. Related Article


 Characterization of 19-nor-10-oxo-25-hydroxyvitamin D<sub>3</sub> production by solubilized chick kidney mitochondria and bovine serum albumin.  
J Steroid Biochem. 1989 Sep;33(3):395-403.

PMID: 2779231 [PubMed - indexed for MEDLINE]


- ❑ **67:** Poyner DR, Birdsall NJ, Curtis C, Eveleigh P, Hulme EC, Pedder EK, Wheatley M. Related Article.

 Binding and hydrodynamic properties of muscarinic receptor subtypes solubilized in 3-(3-cholamidopropyl) dimethylammonio-2-hydroxy-1-propanesulfonate. Mol Pharmacol. 1989 Sep;36(3):420-9. PMID: 2506431 [PubMed - indexed for MEDLINE]


- ❑ **68:** Shobha J, Bhattacharyya B, Balasubramanian D. Related Article.

 Use of micelles in studying drug-binding sites: simulation of the tubulin-bound fluorescence of colchicine. J Biochem Biophys Methods. 1989 Jun;18(4):287-95. PMID: 2476473 [PubMed - indexed for MEDLINE]


- ❑ **69:** Hoglen J, Hollocher TC. Related Article

 Purification and some characteristics of nitric oxide reductase-containing vesicles from *Paracoccus denitrificans*. J Biol Chem. 1989 May 5;264(13):7556-63. PMID: 2708379 [PubMed - indexed for MEDLINE]


- ❑ **70:** Miercke LJ, Ross PE, Stroud RM, Dratz EA. Related Article.

 Purification of bacteriorhodopsin and characterization of mature and partially processed forms. J Biol Chem. 1989 May 5;264(13):7531-5. PMID: 2708376 [PubMed - indexed for MEDLINE]







- ❑ **71:** Soldatov NM. Related Article.








 [Isolation and characteristics of dihydropyridine calcium antagonist receptor from rabbit skeletal muscles] Biokhimiia. 1988 Oct;53(10):1600-11. Russian. PMID: 2852965 [PubMed - indexed for MEDLINE]

- ❑ **72:** Soldatov NM. Related Article.

 Purification and characterization of dihydropyridine receptor from rabbit skeletal muscle. Eur J Biochem. 1988 Apr 15;173(2):327-38. PMID: 2834206 [PubMed - indexed for MEDLINE]

- ❑ **73:** Freedman DO, Nutman TB, Ottesen EA. Related Article

-  Enhanced solubilization of immunoreactive proteins from *Brugia malayi* adult parasites using cetyltrimethylammonium bromide.  
Exp Parasitol. 1988 Apr;65(2):244-50.  
PMID: 3350104 [PubMed - indexed for MEDLINE]
- ☐ **74:** Soloff MS, Fernstrom MA. Related Article.  
 Solubilization and properties of oxytocin receptors from mammary gland.  
Endocrinology. 1987 Jun;120(6):2474-82.  
PMID: 3032593 [PubMed - indexed for MEDLINE]
- ☐ **75:** Holmes EH, Hakomori S. Related Article  
 The chemical carcinogen-induced enzyme, GDP-fucose GM1 alpha 1----2 fucosyltransferase in rat liver and hepatoma: modulation by and association with phospholipids.  
J Biochem (Tokyo). 1987 May;101(5):1095-105.  
PMID: 3654587 [PubMed - indexed for MEDLINE]
- ☐ **76:** Zlotnick GW, Mackow MC, Gottlieb M. Related Article.  
 Renaturation of *Leishmania donovani* 3'-nucleotidase following sodium dodecyl sulfate-polyacrylamide gel electrophoresis.  
Comp Biochem Physiol B. 1987;87(3):629-35.  
PMID: 3040331 [PubMed - indexed for MEDLINE]
- ☐ **77:** Zahidi A, Fourmy D, Darbon JM, Pradayrol L, Scemama JL, Ribet A. Related Article.  
 Molecular properties of solubilized CCK receptor from guinea-pig pancreas.  
Regul Pept. 1986 Aug;15(1):25-36.  
PMID: 3763958 [PubMed - indexed for MEDLINE]
- ☐ **78:** Triscott MX, van de Rijn I. Related Article.  
 Solubilization of hyaluronic acid synthetic activity from streptococci and its activation with phospholipids.  
J Biol Chem. 1986 May 5;261(13):6004-9.  
PMID: 3700381 [PubMed - indexed for MEDLINE]
- ☐ **79:** Vanstapel F, Pua K, Blanckaert N. Related Article.  
Assay of mannose-6-phosphatase in untreated and deter

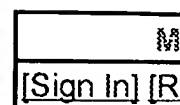
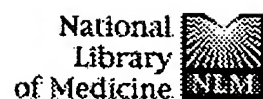
-  disrupted rat-liver microsomes for assessment of integri  
microsomal preparations.  
Eur J Biochem. 1986 Apr 1;156(1):73-7.  
PMID: 3007146 [PubMed - indexed for MEDLINE]
- ☐ **80:** Henry JM, Roth GS. Related Article
-  Solubilization of striatal D-2 dopamine receptors: evide  
that apparent loss during aging is not due to membrane  
sequestration.  
J Gerontol. 1986 Mar;41(2):129-35.  
PMID: 3005385 [PubMed - indexed for MEDLINE]
- ☐ **81:** Nissenson RA, Mann E, Winer J, Teitelbaum A, Arnaud CD. Related Article
-  Solubilization of a guanine nucleotide-sensitive parathy  
hormone-receptor complex from canine renal cortex.  
Adv Exp Med Biol. 1986;208:329-43. No abstract available.  
PMID: 3031942 [PubMed - indexed for MEDLINE]
- ☐ **82:** Lew JY, Goldstein M. Related Article
-  Solubilization and characterization of striatal dopamine  
receptors.  
J Neurochem. 1984 May;42(5):1298-305.  
PMID: 6707634 [PubMed - indexed for MEDLINE]
- ☐ **83:** Trifiletti RR, Snowman AM, Snyder SH. Related Article
-  Solubilization and anionic regulation of cerebral  
sedative/convulsant receptors labeled with [35S] tert-  
butylbicyclophosphorothionate (TBPS).  
Biochem Biophys Res Commun. 1984 Apr 30;120(2):692-9.  
PMID: 6329179 [PubMed - indexed for MEDLINE]
- ☐ **84:** Cesura AM, Muller K, Peyer M, Pletscher A. Related Article
-  Solubilization of imipramine-binding protein from hum  
blood platelets.  
Eur J Pharmacol. 1983 Dec 23;96(3-4):235-42.  
PMID: 6676106 [PubMed - indexed for MEDLINE]
- ☐ **85:** Womack MD, Kendall DA, MacDonald RC. Related Article
-  Detergent effects on enzyme activity and solubilization  
lipid bilayer membranes.  
Biochim Biophys Acta. 1983 Sep 7;733(2):210-5.

PMID: 6882760 [PubMed - indexed for MEDLINE]

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## Quantum yield of CHAPSO-solubilized rhodopsin and 3-hydroxy retinal containing bovine opsin.

Gartner W, Ullrich D, Vogt K.

Institut für Biologie I (Zoologie), Universität Freiburg, Freiburg, Germany.

The quantum yields of bleaching for two artificial pigments bovine opsin combined with (3R)-3-hydroxy retinal or (3S)-3-methoxy retinal, were determined in comparison to the native for regenerated bovine rhodopsin. Regeneration of the visual pigments was performed by incubation of 3-[(3-cholamidopropyl)-dimethylammonio]-2-hydroxy-1-propanesulfonate (CHAPSO)-solubilized opsin with the 11Z isomers of retinal and the respective retinal derivatives. The extinction coefficients of the pigments in CHAPSO were determined to 35,000 M<sup>-1</sup> cm<sup>-1</sup> (native rhodopsin), 35,300 M<sup>-1</sup> cm<sup>-1</sup> (regenerated rhodopsin) and 34,500 M<sup>-1</sup> cm<sup>-1</sup> (3-O-methoxy retinal opsin). With respect to rhodopsin (lambda max: 500 nm) the pigments carrying the substituted chromophores exhibit shifted absorbance maxima (3-hydroxy and 3-methoxy retinal opsin: 488 nm). In parallel experiments under absolutely identical conditions we find related to the value of CHAPSO-solubilized rhodopsin (identical to 1) a quantum efficiency

bleaching for the 3-hydroxy pigment of 1.2.

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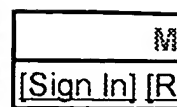
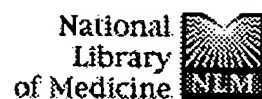
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## Quantitative PAS assay of some carbohydrate compounds and detergents.

**Kirkeby S, Moe D, Bog-Hansen T, Garbarsch C, Matthiessen ME.**

Department of Oral Function, Health Science Faculty, University of Copenhagen, Denmark.

A spectrophotometric method for determination of color development of glyco compounds subjected to PAS reaction investigated with various carbohydrate compounds and re chemicals. The conditions of the oxidation with periodic acid was found to influence the amount of the colored Schiff dye produced. Mono- and di-saccharides (mannose, glucose and maltose) were PAS-negative. Glycogen was more reactive than dextran. When glycogen was hydrolyzed by amylase the intensity of the PAS product dropped until a certain limit probably reflecting the limit dextrin. The presence of protein (albumin) or electrolytes (NaCl) did not influence the PAS reaction. Many non-ionic detergents commonly used in membrane biology such as alkyl glycosides and glucosyl alkanamides were strongly PAS-positive and so was the detergent SDS while the zwitterionic detergents tested, such as CHAPS and CHAPSO, were PAS-negative. The color



development of the spectrophotometric PAS reaction show linearity with the concentration of a simple glycoprotein solution (peroxidase) and a complex solution (bovine serum). By the PAS reaction it was also possible to measure the concentration of soluble and membrane bound carbohydrate compounds in the pellet of liver cell membranes. We find that the PAS reaction is sensitive and reliable for quantitative estimations of complex carbohydrates as well as soluble and membrane-bound carbohydrate compounds. The latter should be treated with PAS-unreactive zwitterionic detergents.

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## Characterization and purification of the solubili- pituitary adenylate-cyclase-activating polypeptide receptor from porcine brain using a biotinylated ligand.

Schafer H, Schmidt WE.

Department of Medicine, Christian-Albrechts-University  
Kiel, Germany.

A specific receptor for the brain-gut neuropeptide pituitary adenylate-cyclase-activating polypeptide (PACAP-1) was solubilized with Chapso from porcine brain plasma membranes and purified. Binding of <sup>125</sup>I-PACAP(1-27) to solubilized material was reversed equipotently by unlabeled PACAP(1-27) and PACAP(1-38). Soluble receptors retain binding affinities and specificities of the plasma membrane fraction. Scatchard analysis of equilibrium-binding data indicated the existence of a single high-affinity binding site ( $K_d = 0.23$  nM,  $B_{max} = 1.2$  pmol/mg protein). Binding of <sup>125</sup>I-PACAP(1-27) to solubilized receptors was not affected by guanosine nucleotides, suggesting that solubilization dissociates the PACAP-1 receptor/guanosine-nucleotide-binding protein complex. Affinity cross-linking of <sup>125</sup>I-PACAP(1-27) to soluble PACAP-1 receptors identified a specifically labeled 45 kDa protein. Enzymic deglycosylation of soluble affinity-

labeled receptors reduced the apparent molecular mass by kDa. The solubilized receptor glycoprotein was purified 4 fold by lectin-adsorption chromatography on wheatgerm agglutinin immobilized on agarose. S-Biotinyl[Ala28-34, Cys35]PACAP(1-35) was synthesized, immobilized on streptavidin-coated magnetic Sepharose beads and used to further affinity-purify wheatgerm-agglutinin-eluted receptor material. This more than 6000-fold enriched PACAP-1-receptor-preparation retained single-class high-affinity binding and consisted of an almost homogenous 55-60-kDa protein identified by silver staining. In conclusion, we established a rapid method for purification of PACAP-1 receptors, allowing further studies to be performed by protein chemistry.

PMID: 8223638 [PubMed - indexed for MEDLINE]

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## Liposome solubilization and membrane protein reconstitution using Chaps and Chapso.

Cladera J, Rigaud JL, Villaverde J, Dunach M.

Department de Bioquímica i Biologia Molecular, Facultat de Medicina, Universitat Autònoma de Barcelona, Spain.

The process of liposome solubilization and reconstitution transport proteins have been studied using Chaps and Cha (3-[(3-cholamidopropyl)dimethylammonio]-2-hydroxy-1-propanesulfonate). The solubilization of unilamellar liposomes was followed by absorption experiments and the process was shown to fit well to the three-stage model previously proposed for other detergents. The solubilization parameters have been determined and the detergent to phospholipid ratios at which lamellar-to-micellar transition initiates and ends were estimated to be 0.21 mol/mol and 0.74 mol/mol, for Chapso and 0.4 mol/mol and 1.04 mol/mol for Chaps, respectively. The best conditions for the incorporation of two membrane proteins bacteriorhodopsin and the H(+)-ATP synthase from chloroplasts, were analyzed at each step of the solubilization process. After detergent removal, the activities of the resulting proteoliposomes were measured indicating that the most efficient reconstitutions were obtained by addition of the proteins to completely solubilized lipid-detergent micelles.

use of Chapso and Chaps for membrane protein reconstitution studies provides a reproducible method of achieving active proteoliposomes, homogeneous in size, with a low permeability and thus, well suited for transport measurements.

PMID: 9057848 [PubMed - indexed for MEDLINE]

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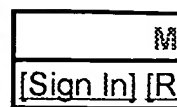
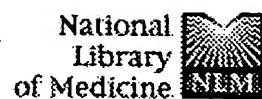
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## Purification and characterization of the human gamma-secretase complex.

Fraering PC, Ye W, Strub JM, Dolios G, LaVoie MJ, Ostaszewski BL, van Dorsselaer A, Wang R, Selkoe D, Wolfe MS.

Center for Neurologic Diseases, Brigham and Women's Hospital and Harvard Medical School, Boston, Massachusetts 02115, USA.

Gamma-secretase is a member of an unusual class of proteases with intramembrane catalytic sites. This enzyme cleaves type I membrane proteins, including the amyloid beta-protein precursor (Aβ) precursor (APP) and the Notch receptor. Biochemical and genetic studies have identified four membrane protein components of gamma-secretase: heterodimeric presenilin composed of its N- and C-terminal fragments (PS-NTF/C-NTF), mature glycosylated form of nicastrin (NCT), Aph-1, and Pen-2. Recent data from studies in *Drosophila*, mammalian, and human cells suggest that PS, NCT, Aph-1, and Pen-2 are necessary and sufficient to reconstitute gamma-secretase activity. However, many unresolved issues, in particular the possibility of other structural or regulatory components, would be resolved by actually purifying the enzyme. Here, we report a detailed,

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multistep purification procedure for active gamma-secretase and an initial characterization of the purified protease. Extensive mass spectrometry of the purified proteins strongly suggests that PS-NTF/CTF, mNCT, Aph-1, and Pen-2 are the components of active gamma-secretase. Using the purified gamma-secretase, we describe factors that modulate the production of specific Abeta species: (1) phosphatidylcholine and sphingomyelinase dramatically improve activity without changing cleavage specificity within an APP substrate; (2) increasing CHAP concentrations from 0.1 to 0.25% yields an approximately 2-fold increase in Abeta42 production; (3) exposure of an APP-derived recombinant substrate to 0.5% SDS modulates cleavage specificity from a disease-mimicking pattern (high Abeta42) to a physiological pattern (high Abeta40); and (4) sulindac sulfide directly and preferentially decreases Abeta42 cleavage within the purified complex. Taken together, our results describe a procedure for purifying active gamma-secretase and suggest that the lipid-mediated conformation of both enzyme and substrate regulate the production of the potentially neurotoxic Abeta42 and Abeta43 peptides.

PMID: 15274632 [PubMed - indexed for MEDLINE]

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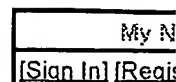
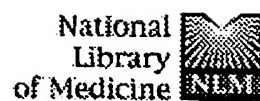
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Biochem Biophys Res Commun. 1997 Feb 3;231(1):196-202.  
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☐ **3:** Mundy DL Related Articles,

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Biochem Biophys Res Commun. 1994 Oct 14;204(1):333-41.  
PMID: 7945379 [PubMed - indexed for MEDLINE]

☐ **4:** Oreffo RO, Mundy GR, Seyedin SM, Bonewald LF. Related Articles,

**Activation of the bone-derived latent TGF beta complex by isolated osteoclasts.**  
Biochem Biophys Res Commun. 1989 Feb 15;158(3):817-23.  
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☐ **5:** Gray PN, May PC, Mundy L, Elkins J. Related Articles,

**L-Glutamate toxicity in Huntington's disease fibroblasts.**  
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**FULL-TEXT ARTICLE**

## Identification of the multicatalytic enzyme as a possible gamma-secretase for the amyloid precursor protein.

Mundy DL.

Department of Neurology, Baylor College of Medicine, Houston, TX 77030.

One of the main components of the senile plaques in brain tissue from patient with Alzheimer's disease is the beta-amyloid peptide. This peptide is proteolytically cleaved from the amyloid precursor protein by the action of at two proteases, a beta-secretase which generates the N-terminus and a gamma secretase which generates the C-terminus. Neither of these proteases have been identified. To identify proteases that are candidates for the gamma-secretase synthesized a small fluorescent peptide substrate containing the amino acids comprising the C-terminus of the longest beta-amyloid peptide identified. This substrate is hydrolyzed by a single activity in homogenates from both cells and brain tissue and we have demonstrated that this activity is the multicatalytic enzyme or proteasome. Furthermore, using specific inhibitors, we have demonstrated that the fluorescent substrate is hydrolyzed by the chymotrypsin activity of the multicatalytic enzyme.

PMID: 7945379 [PubMed - indexed for MEDLINE]

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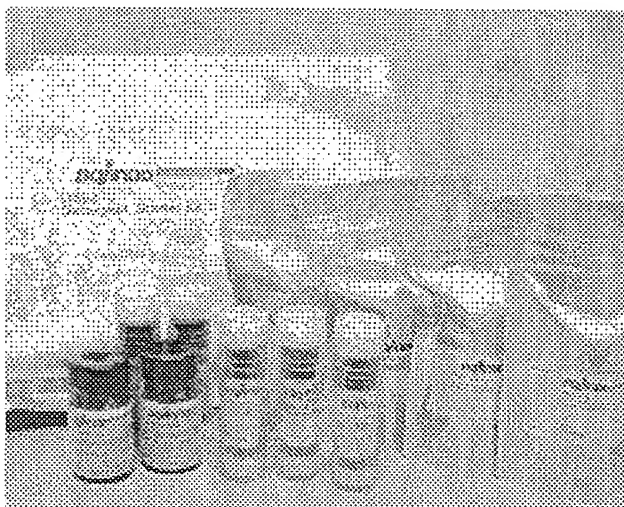
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Product Code: C020-10  
Unit: 1 g  
Price (USA and Canada): \$70  
Availability: ships in 5-10 days

Product Code: C020-12  
Unit: 5 g  
Price (USA and Canada): \$235  
Availability: ships in 5-10 days

**Description:**

Storage: Ambient Temperature  
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CAS Number: 82473-24-3

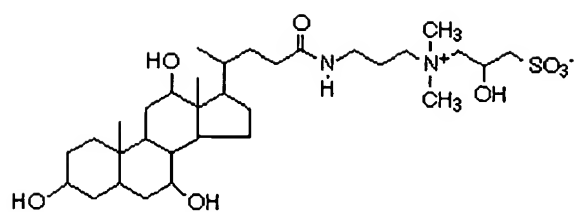


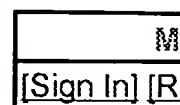
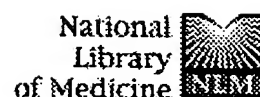
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**Purity: >96.0 % (HPLC)**  
**Water content: <3 %**  
**Solubility: 200 mg/ml water**  
**Licensed under U.S. Patent 4, 372, 888**

CHAPS and CHAPSO are zwitter ionic detergents, and have cholic acid and sulfobetaine moieties in their structures. Their low background absorbance in the UV region is an attractive feature for the UV monitoring of membrane proteins. The CMC values of both CHAPS and CHAPSO are 8 mM.

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**Presenilin 1 is linked with gamma-secretase activity in the detergent solubilized state.**

**Li YM, Lai MT, Xu M, Huang Q, DiMuzio-Mower J, Sardana MK, Shi XP, Yin KC, Shafer JA, Gardell SJ.**

Department of Biological Chemistry, Merck Research Laboratories, West Point, PA 19486, USA.  
yueming\_li@merck.com

gamma-Secretase is a membrane-associated protease that cleaves within the transmembrane region of amyloid precursor protein to generate the C termini of the two Abeta peptide isoforms, Abeta40 and Abeta42. Here we report the detergent solubilization and partial characterization of gamma-secretase. The activity of solubilized gamma-secretase was measured using a recombinant substrate, C100Flag, consisting largely of the

terminal fragment of amyloid precursor protein downstream of the beta-secretase cleavage site. Cleavage of C100Flag by gamma-secretase was detected by electrochemiluminescence using antibodies that specifically recognize the Abeta40 or Abeta42 termini. Incubation of C100Flag with HeLa cell membranes or detergent-solubilized HeLa cell membrane generates both the Abeta40 and Abeta42 termini. Recovery of catalytically competent, soluble gamma-secretase critically depends on the choice of detergent; CHAPS (3-[(3-cholamidopropyl)dimethylammonio]-2-hydroxy-1-propanesulfonate) but not Triton X-100 is suitable. Solubilized gamma-secretase activity is inhibited by pepstatin and more potently by a novel aspartyl protease transition-state analog inhibitor that blocks formation of Abeta40 and Abeta42 in mammalian cells. Upon gel exclusion chromatography, solubilized gamma-secretase activity coelutes with presenilin-1 (PS1) at an apparent relative molecular weight of approximately  $2.0 \times 10^6$ . Anti-PS1 antibody immunoprecipitates gamma-secretase activity from the solubilized gamma-secretase preparation. These data suggest that gamma-secretase activity is catalyzed by a PS1-containing macromolecular complex.

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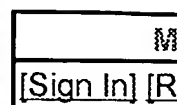
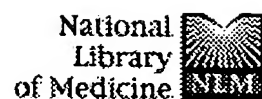
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1: Biochemistry. 2004 Aug 3;43(30):9774-89. Related Article



## Purification and characterization of the human gamma-secretase complex.

Fraering PC, Ye W, Strub JM, Dolios G, LaVoie MJ, Ostaszewski BL, van Dorsselaer A, Wang R, Selkoe D, Wolfe MS.

Center for Neurologic Diseases, Brigham and Women's Hospital and Harvard Medical School, Boston, Massachusetts 02115, USA.

Gamma-secretase is a member of an unusual class of proteins with intramembrane catalytic sites. This enzyme cleaves type I membrane proteins, including the amyloid beta-protein (A $\beta$ ) precursor (APP) and the Notch receptor. Biochemical and genetic studies have identified four membrane protein components of gamma-secretase: heterodimeric presenilin composed of its N- and C-terminal fragments (PS-NTF/C), mature glycosylated form of nicastrin (NCT), Aph-1, and Recent data from studies in *Drosophila*, mammalian, and human cells suggest that PS, NCT, Aph-1, and Pen-2 are necessary

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sufficient to reconstitute gamma-secretase activity. However, many unresolved issues, in particular the possibility of other structural or regulatory components, would be resolved by actually purifying the enzyme. Here, we report a detailed, multistep purification procedure for active gamma-secretase and an initial characterization of the purified protease. Extensive mass spectrometry of the purified proteins strongly suggests that PS-NTF/CTF, mNCT, Aph-1, and Pen-2 are the components of active gamma-secretase. Using the purified gamma-secretase, we describe factors that modulate the production of specific Abeta species: (1) phosphatidylcholine and sphingomyelinase dramatically improve activity without changing cleavage specificity within an APP substrate; (2) increasing CHAP concentrations from 0.1 to 0.25% yields an approximately 2-fold increase in Abeta42 production; (3) exposure of an APP-derived recombinant substrate to 0.5% SDS modulates cleavage specificity from a disease-mimicking pattern (high Abeta42) to a physiological pattern (high Abeta40); and (4) sulindac sulfide directly and preferentially decreases Abeta42 cleavage within the purified complex. Taken together, our results describe a procedure for purifying active gamma-secretase and suggest that the lipid-mediated conformation of both enzyme and substrate regulate the production of the potentially neurotoxic Abeta42 and Abeta43 peptides.

PMID: 15274632 [PubMed - indexed for MEDLINE]

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25 FILES SEARCHED...  
34 FILES SEARCHED...  
48 FILES SEARCHED...  
53 FILES SEARCHED...  
66 FILES SEARCHED...  
71 FILES SEARCHED...

L10 6 N- 3 DIMETHYLAMINO PROPYL 3, 7, 12-TRIHIDROXY 3A, 5B, 7A, 12A  
CHOLAN-2-AMIDE

=> D L10 1-6

L10 ANSWER 1 OF 6 IFIPAT COPYRIGHT 2005 IFI on STN

AN 10614187 IFIPAT;IFIUDB;IFICDB

TI ISOLATION OF FUNCTIONALLY ACTIVE GAMMA-SECRETASE PROTEIN COMPLEX AND  
METHODS FOR DETECTION OF ACTIVITY AND INHIBITORS THEREOF

IN Hendrick Joseph P; Lewis Martin A; Pak Roger Hochoon; Roberts Susan B;  
Smith David W; Vinitzky Alexander

PA Unassigned Or Assigned To Individual (68000)

PPA BRISTOL MYERS SQUIBB CO (Probable)

PI US 2004121411 A1 20040624

AI US 2003-713981 20031114

RLI US 2001-823153 20010330 DIVISION

6713248

PRAI US 2000-194495P 20000403 (Provisional)

FI US 2004121411 20040624

US 6713248

DT Utility; Patent Application - First Publication

FS CHEMICAL

APPLICATION

CLMN 97

GI 13 Figure(s).

FIG. 1: (A) A schematic representation of the recombinant vector that  
encodes the beta APP(C-100) polypeptide substrate; (B) a schematic

polypeptide substrate.

FIG. 2: The nucleotide and amino acid sequence of the recombinant beta APP (C-100) polypeptide substrate.

FIG. 3: The nucleotide and amino acid sequence of the recombinant beta APP (C-83) polypeptide substrate.

FIG. 4: The amino acid sequence of beta-secretase cleaved, human beta APP which is recognized and cleaved by gamma-secretase.

FIG. 5: The amino acid sequence of S2-cleaved, human Notch-1 which is recognized and cleaved by gamma-secretase.

FIG. 6: Detection of the radio-labeled 6 kDa gamma-secretase cleavage product resulting from a cleavage reaction that includes the solubilized gamma-secretase complex.

FIG. 7: Detection of the cleavage products of the C83 and C100 substrates resulting from a cleavage reaction that includes the solubilized gamma-secretase complex.

FIG. 8: Detection of the cleavage products of the C100 substrate resulting from a cleavage reaction that includes the immunoisolated gamma-secretase complex.

FIG. 9: A schematic representation of a time-resolved fluorescence method for detecting cleavage of a gamma-secretase substrate.

FIG. 10: A graph indicating that increasing volumes of membrane suspension from cells expressing HPLAP-beta APPsw provided a proportionate amount of gamma-secretase activity, as signified by increasing ratios of fluorescent signal/background. The cells were incubated with fluorescent adducts modifying antibodies 26D6 and 9S3.2.

FIG. 11: A graph indicating that increasing concentrations of the A beta-40 peptide provided a proportionate amount of fluorescent signal. The A beta peptides were incubated with fluorescent adducts modifying antibodies 26D6 and 9S3.2.

FIG. 12: A list illustrating the chemical structures of the preferred donor molecules.

FIG. 13: A list illustrating the chemical structures of some of the preferred acceptor molecules, including preferred quencher molecules.

L10 ANSWER 2 OF 6 IFIPAT COPYRIGHT 2005 IFI on STN

AN 10081982 IFIPAT;IFIUDB;IFICDB

TI ISOLATION OF FUNCTIONALLY ACTIVE GAMMA-SECRETASE PROTEIN COMPLEX AND METHODS FOR DETECTION OF ACTIVITY AND INHIBITORS THEREOF; DIAGNOSIS OF ALZHEIMER'S DISEASE

IN Hendrick Joseph P; Lewis Martin A; Pak Roger Hochoon; Roberts Susan B; Smith David W; Vinitzky Alexander

PA Unassigned Or Assigned To Individual (68000)

PPA Bristol-Myers Squibb Co (Probable)

PI US 2002025540 A1 20020228

AI US 2001-823153 20010330

PRAI US 2000-194495P 20000403 (Provisional)

FI US 2002025540 20020228

US 6713248 20040330

DT Utility; Patent Application - First Publication

FS CHEMICAL APPLICATION

CLMN 97

GI 13 Figure(s).

FIG. 1: (A) A schematic representation of the recombinant vector that encodes the beta APP (C-100) polypeptide substrate; (B) a schematic representation of the recombinant vector that encodes the beta APP (C-83) polypeptide substrate.

FIG. 2: The nucleotide and amino acid sequence of the recombinant beta APP (C-100) polypeptide substrate.

FIG. 3: The nucleotide and amino acid sequence of the recombinant beta APP (C-83) polypeptide substrate.

FIG. 4: The amino acid sequence of beta-secretase cleaved, human beta APP which is recognized and cleaved by gamma-secretase.

FIG. 5: The amino acid sequence of S2-cleaved, human Notch-1 which is recognized and cleaved by gamma-secretase.

FIG. 6: Detection of the radio-labeled 6 kDa gamma-secretase cleavage product resulting from a cleavage reaction that includes the solubilized gamma-secretase complex.

resulting from a cleavage reaction that includes the solubilized gamma-secretase complex.

FIG. 8: Detection of the cleavage products of the C100 substrate resulting from a cleavage reaction that includes the immunoisolated gamma-secretase complex.

FIG. 9: A schematic representation of a time-resolved fluorescence method for detecting cleavage of a gamma-secretase substrate.

FIG. 10: A graph indicating that increasing volumes of membrane suspension from cells expressing HPLAP-beta APPsw provided a proportionate amount of gamma-secretase activity, as signified by increasing ratios of fluorescent signal/background. The cells were incubated with fluorescent adducts modifying antibodies 26D6 and 9S3.2.

FIG. 11: A graph indicating that increasing concentrations of the A beta-40 peptide provided a proportionate amount of fluorescent signal. The A beta peptides were incubated with fluorescent adducts modifying antibodies 26D6 and 9S3.2.

FIG. 12: A list illustrating the chemical structures of the preferred donor molecules.

FIG. 13: A list illustrating the chemical structures of some of the preferred acceptor molecules, including preferred quencher molecules.

L10 ANSWER 3 OF 6 USPATFULL on STN  
AN 2004:158612 USPATFULL  
TI Isolation of functionally active gamma-secretase protein complex and methods for detection of activity and inhibitors thereof  
IN Roberts, Susan B., Madison, CT, UNITED STATES  
Hendrick, Joseph P., Portland, CT, UNITED STATES  
Vinitsky, Alexander, Stamford, CT, UNITED STATES  
Lewis, Martin A., Madison, CT, UNITED STATES  
Smith, David W., Madison, CT, UNITED STATES  
Pak, Roger Hochoon, Southington, CT, UNITED STATES  
PI US 2004121411 A1 20040624  
AI US 2003-713981 A1 20031114 (10)  
RLI Division of Ser. No. US 2001-823153, filed on 30 Mar 2001, GRANTED, Pat. No. US 6713248  
PRAI US 2000-194495P 20000403 (60)  
DT Utility  
FS APPLICATION  
LN.CNT 2919  
INCL INCLM: 435/007.200  
NCL NCLM: 435/007.200  
IC [7]  
ICM: G01N033-53  
ICS: G01N033-567  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L10 ANSWER 4 OF 6 USPATFULL on STN  
AN 2002:43174 USPATFULL  
TI Isolation of functionally active gamma- secretase protein complex and methods for detection of activity and Inhibitors thereof  
IN Roberts, Susan B., Madison, CT, UNITED STATES  
Hendrick, Joseph P., Portland, CT, UNITED STATES  
Vinitsky, Alexander, Stamford, CT, UNITED STATES  
Lewis, Martin A., Madison, CT, UNITED STATES  
Smith, David W., Madison, CT, UNITED STATES  
Pak, Roger Hochoon, Southington, CT, UNITED STATES  
PI US 2002025540 A1 20020228  
US 6713248 B2 20040330  
AI US 2001-823153 A1 20010330 (9)  
PRAI US 2000-194495P 20000403 (60)  
DT Utility  
FS APPLICATION  
LN.CNT 2758  
INCL INCLM: 435/007.900  
NCL NCLM: 435/004.000  
NCLS: 435/007.900; 435/007.920  
IC [7]  
ICM: G01N033-53

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L10 ANSWER 5 OF 6 USPAT2 on STN

AN 2002:43174 USPAT2

TI Methods for detection of gamma-secretase activity and identification of inhibitors thereof

IN Roberts, Susan B., Madison, CT, United States

Pak, Roger Hochoon, Southington, CT, United States

PA Bristol-Myers Squibb Company, Princeton, NJ, United States (U.S. corporation)

PI US 6713248 B2 20040330

AI US 2001-823153 20010330 (9)

PRAI US 2000-194495P 20000403 (60)

DT Utility

FS GRANTED

LN.CNT 2866

INCL INCLM: 435/004.000

INCLS: 435/007.900; 435/007.920

NCL NCLM: 435/004.000

NCLS: 435/007.900; 435/007.920

IC [7]

ICM: C12Q001-00

ICS: G01N033-53; G01N033-542

EXF 435/7.9; 435/23; 435/226; 435/6; 435/7.21; 435/4; 435/69.1; 435/325; 530/391.1; 530/329; 530/300; 530/350; 530/7.92

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AN 2001-648575 [74] WPIDS

DNN N2001-484582 DNC C2001-191460

TI Novel gamma secretase protein, useful in the production of amyloids, is capable of cleaving beta-amyloid precursor protein to produce beta amyloid peptide.

DC B04 B05 D16 S03

IN HENDRICK, J P; LEWIS, M A; PAK, R H; ROBERTS, S B; SMITH, D W; VINITSKY, A; LEWIS, M; PAK, R

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CYC 96

PI WO 2001075435 A2 20011011 (200174)\* EN 127 G01N033-48

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US 2002025540 A1 20020228 (200220) G01N033-53

EP 1305634 A2 20030502 (200331) EN G01N033-68

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MX 2002009756 A1 20030601 (200417) G01N033-48

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US 2004121411 A1 20040624 (200442) G01N033-53

ADT WO 2001075435 A2 WO 2001-US10453 20010330; AU 2001049717 A AU 2001-49717

20010330; US 2002025540 A1 Provisional US 2000-194495P 20000403, US

2001-823153 20010330; EP 1305634 A2 EP 2001-922976 20010330, WO

2001-US10453 20010330; JP 2004505608 W JP 2001-572863 20010330, WO

2001-US10453 20010330; MX 2002009756 A1 WO 2001-US10453 20010330, MX

2002-9756 20021003; US 6713248 B2 Provisional US 2000-194495P 20000403, US

2001-823153 20010330; US 2004121411 A1 Provisional US 2000-194495P

20000403, Div ex US 2001-823153 20010330, US 2003-713981 20031114

FDT AU 2001049717 A Based on WO 2001075435; EP 1305634 A2 Based on WO

2001075435; JP 2004505608 W Based on WO 2001075435; MX 2002009756 A1 Based on WO 2001075435; US 2004121411 A1 Div ex US 6713248

PRAI US 2000-194495P 20000403; US 2001-823153 20010330;

IC ICM C12Q001-00; C12Q001-37; G01N033-48; G01N033-53; G01N033-68  
ICS C07K001-32; C07K014-47; C12N005-06; C12N009-64; G01N021-64;  
G01N021-78; G01N033-483; G01N033-537; G01N033-542; G01N033-543;  
G01N033-566; G01N033-567

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FILE 'WSCA' ENTERED AT 11:24:11 ON 11 MAR 2005  
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=> S N- 3 dimethylamino propyl 3, 7, 12-trihydroxy 3a, 5b, 7a, 12a cholan-2-amide  
9 FILES SEARCHED...  
22 FILES SEARCHED...  
32 FILES SEARCHED...  
39 FILES SEARCHED...

L11 0 N- 3 DIMETHYLAMINO PROPYL 3, 7, 12-TRIHIDROXY 3A, 5B, 7A, 12A  
CHOLAN-2-AMIDE

=> S mCHAPSO  
30 FILES SEARCHED...  
L12 0 MCHAPSO

=> S CHAPSO  
35 FILES SEARCHED...  
L13 352 CHAPSO

=> DUP REM L13  
DUPLICATE IS NOT AVAILABLE IN 'AQUIRE, BIOCOMMERCE, CAOLD, FEDRIP, GENBANK,  
INVESTEXT, KOSMET, RDISCLOSURE, USAN'.  
ANSWERS FROM THESE FILES WILL BE CONSIDERED UNIQUE  
PROCESSING COMPLETED FOR L13  
L14 229 DUP REM L13 (123 DUPLICATES REMOVED)

=> S L14 AND PY<=2000  
3 FILES SEARCHED...  
10 FILES SEARCHED...  
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18 FILES SEARCHED...  
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26 FILES SEARCHED...  
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41 FILES SEARCHED...  
43 FILES SEARCHED...  
L15 177 L14 AND PY<=2000

=> D L15 1-177

L15 ANSWER 1 OF 177 AGRICOLA Compiled and distributed by the National



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(2005) on STN

AN 94:87167 AGRICOLA

DN IND20432396

TI Molecular structure analysis of the pituitary adenylate cyclase activating polypeptide type I receptor from pig brain.

AU Cao, Y.J.; Gimpl, G.; Fahrenholz, F.

AV DNAL (381 B522)

SO Biochimica et biophysica acta = International journal of biochemistry and biophysics, \*\*\*July 21, 1994\*\*\* Vol. 1222, No. 3. p. 432-440

Publisher: Amsterdam : Elsevier Science B.V.

CODEN: BBACAQ; ISSN: 0006-3002

NTE Includes references

CY Netherlands

DT Article

FS Non-U.S. Imprint other than FAO

LA English

L15 ANSWER 2 OF 177 ANABSTR COPYRIGHT 2005 RSC on STN

AN 63(14):E158 ANABSTR

TI Adsorption behaviour of zwitterionic surfactants onto a reversed-phase stationary phase.

AU Hu, W.; Haddad, P. R. (Separation Sci. Group, School Chem., Univ. Tasmania, Hobart 7001, Australia)

SO Chromatographia (2000) 52(9-10), 543-551

CODEN: CHRGB7 ISSN: 0009-5893

DT Journal

LA English

L15 ANSWER 3 OF 177 ANABSTR COPYRIGHT 2005 RSC on STN

AN 62(37):E117 ANABSTR

TI Quantitative determination of zwitterionic detergents using salt-induced phase separation of Triton X-100.

AU Fricke, B. (beate.fricke@medizin.uni-halle.de, Inst. Physiol. Chem., Med. Fac., Martin Luther univ., 06097 Halle, Germany)

SO Anal. Biochem. (2000) 281(2), 144-150

CODEN: ANBCA2 ISSN: 0003-2697

DT Journal

LA English

L15 ANSWER 4 OF 177 ANABSTR COPYRIGHT 2005 RSC on STN

AN 57(7):D5 ANABSTR

TI A new approach for the simultaneous determination of inorganic cations and anions using ion chromatography.

AU Hu, W.; Tao, H.; Tominaga, M.; Miyazaki, A.; Haraguchi, H. (Natl. Inst. Resources Environ., Ibaraki 305, Japan)

SO Anal. Chim. Acta (1994) 299(2), 249-256

CODEN: ACACAM ISSN: 0003-2670

DT Journal

LA English

L15 ANSWER 5 OF 177 BABS COPYRIGHT 2005 BEILSTEIN MDL on STN

AN 6022332 BABS

TI NMR Studies of a <sup>13</sup>C, <sup>15</sup>N-Labeled G&M4%-Lactam Glycolipid at an Oriented Model-Membrane Interface

AU Salvatore, Brian A.; Ghose, Ranajeet; Prestegard, James H.

SO J.Amer.Chem.Soc. ( \*\*\*1996\*\*\* ), 118(17), 4001-4008

CODEN: JACSAT

DT Journal

LA English

SL English

L15 ANSWER 6 OF 177 BABS COPYRIGHT 2005 BEILSTEIN MDL on STN

AN 5864255 BABS

TI Micellar Properties of the Zwitterionic Detergents 'CHAPS' and '\*\*\*CHAPSO\*\*\*' used in Membrane Biochemistry

AU Sundari, N. Sivakama; Srinivas, V.; Ganesh, K. N.; Balasubramanian, D.

SO J.Indian Chem.Soc. ( \*\*\*1985\*\*\* ), 62(11), 851-854

DT Journal  
LA English  
SL English

L15 ANSWER 7 OF 177 BABS COPYRIGHT 2005 BEILSTEIN MDL on STN  
AN 5857045 BABS  
TI Chromatographic Study on Stepwise Aggregation Patterns of Zwitterionic  
Derivatives of Cholic Acid  
AU Funasaki, Noriaki; Ueshiba, Ryota; Hada, Sakae; Neya, Saburo  
SO J.Chem.Soc.Faraday Trans. ( \*\*\*1993\*\*\* ), 89(24), 4355-4362  
CODEN: JCFTEV  
DT Journal  
LA English  
SL English

L15 ANSWER 8 OF 177 BABS COPYRIGHT 2005 BEILSTEIN MDL on STN  
AN 5843047 BABS  
TI Characterization of Field-Ordered Aqueous Liquid Crystals by NMR Diffusion  
Measurements  
AU Chung, J.; Prestegard, J.H.  
SO J.Phys.Chem. ( \*\*\*1993\*\*\* ), 97(38), 9837-9843  
CODEN: JPCHAX  
DT Journal  
LA English  
SL English

L15 ANSWER 9 OF 177 BABS COPYRIGHT 2005 BEILSTEIN MDL on STN  
AN 5710051 BABS  
TI Lanthanide Shift NMR Studies of Bile Salt Aggregates  
AU Meyerhoffer, Steven M.; Wenzel, Thomas J.; McGown, Linda B.  
SO J.Phys.Chem. ( \*\*\*1992\*\*\* ), 96(4), 1961-1967  
CODEN: JPCHAX  
DT Journal  
LA English  
SL English

L15 ANSWER 10 OF 177 BABS COPYRIGHT 2005 BEILSTEIN MDL on STN  
AN 5706804 BABS  
TI Headgroup Orientations of Alkyl Glycosides at a Lipid Bilayer Interface  
AU Sanders, Charles R. II; Prestegard, James H.  
SO J.Amer.Chem.Soc. ( \*\*\*1992\*\*\* ), 114(18), 7096-7107  
CODEN: JACSAT  
DT Journal  
LA English  
SL English

L15 ANSWER 11 OF 177 BABS COPYRIGHT 2005 BEILSTEIN MDL on STN  
AN 5594525 BABS  
TI Characterization of complex formation between lipopolysaccharide and  
lysozyme  
AU Ohno, Naohito; Tanida, Norifumi; Yadomae, Toshiro  
SO Carbohydr.Res. ( \*\*\*1991\*\*\* ), 214(1), 115-130  
CODEN: CRBRAT  
DT Journal  
LA English  
SL English

L15 ANSWER 12 OF 177 BABS COPYRIGHT 2005 BEILSTEIN MDL on STN  
AN 5528488 BABS  
TI Fluorescent Probe Studies of Metal Salt Effects on Bile Salt Aggregation  
AU Meyerhoffer, Steven M.; McGown, Linda B.  
SO J.Amer.Chem.Soc. ( \*\*\*1991\*\*\* ), 113(6), 2146-2149  
CODEN: JACSAT  
DT Journal  
LA English  
SL English

L15 ANSWER 13 OF 177 BABS COPYRIGHT 2005 BEILSTEIN MDL on STN

TI Orientation and Dynamics of  $\beta$ -Dodecyl Glucopyranoside in Phospholipid  
 Bilayers by Oriented Sample NMR and Order Matrix Analysis  
 AU Sanders, Charles R.; Prestegard, James H.  
 SO J.Amer.Chem.Soc. ( \*\*\*1991\*\*\* ), 113(6), 1987-1996  
 CODEN: JACSAT  
 DT Journal  
 LA English  
 SL English

L15 ANSWER 14 OF 177 BIOTECHNO COPYRIGHT 2005 Elsevier Science B.V. on STN  
 AN 2000:30696404 BIOTECHNO  
 TI Functionality of a membrane protein in bicelles  
 AU Czerski L.; Sanders C.R.  
 CS C.R. Sanders, Dept. of Physiology and Biophysics, Case Western Reserve  
 University, Cleveland, OH 44106, United States.  
 E-mail: crs4@po.cwru.edu  
 SO Analytical Biochemistry, \*\*\* (10 SEP 2000)\*\*\* , 284/2 (327-333), 24  
 reference(s)  
 CODEN: ANBCA2 ISSN: 0003-2697  
 DT Journal; Article  
 CY United States  
 LA English  
 SL English

L15 ANSWER 15 OF 177 BIOTECHNO COPYRIGHT 2005 Elsevier Science B.V. on STN  
 AN 2000:30367536 BIOTECHNO  
 TI Presenilin 1 is linked with  $\gamma$ -secretase activity in the detergent  
 solubilized state  
 AU Li Y.-M.; Lai M.-T.; Xu M.; Huang Q.; DiMuzio-Mower J.; Sardana M.K.; Shi  
 X.-P.; Yin K.-C.; Shafer J.A.; Gardell S.J.  
 CS Y.-M. Li, Department of Biological Chemistry, Merck Research  
 Laboratories, West Point, PA 19486, United States.  
 SO Proceedings of the National Academy of Sciences of the United States of  
 America, \*\*\* (23 MAY 2000)\*\*\* , 97/11 (6138-6143), 23 reference(s)  
 CODEN: PNASA6 ISSN: 0027-8424  
 DT Journal; Article  
 CY United States  
 LA English  
 SL English

L15 ANSWER 16 OF 177 BIOTECHNO COPYRIGHT 2005 Elsevier Science B.V. on STN  
 AN 1999:29115519 BIOTECHNO  
 TI Instability of the G-protein  $\beta$ 5 subunit in detergent  
 AU Jones M.B.; Garrison J.C.  
 CS M.B. Jones, Department of Pharmacology, Health Sciences Center,  
 University of Virginia, Charlottesville, VA 22908; United States.  
 SO Analytical Biochemistry, \*\*\* (01 MAR 1999)\*\*\* , 268/1 (126-133), 35  
 reference(s)  
 CODEN: ANBCA2 ISSN: 0003-2697  
 DT Journal; Article  
 CY United States  
 LA English  
 SL English

L15 ANSWER 17 OF 177 BIOTECHNO COPYRIGHT 2005 Elsevier Science B.V. on STN  
 AN 1998:28132849 BIOTECHNO  
 TI Glucocorticoid-recognizing and -effector sites in rat liver plasma  
 membrane. Kinetics of corticosterone uptake by isolated membrane  
 vesicles. III. Specificity and stereospecificity  
 AU Lackner C.; Daufeldt S.; Wildt L.; Allera A.  
 CS A. Allera, Department of Clinical Biochemistry, University of Bonn,  
 Sigmund-Freud Strasse 25, D 53105 Bonn, Germany.  
 E-mail: allera@mailier.meb.uni-bonn.de  
 SO Journal of Steroid Biochemistry and Molecular Biology, ( \*\*\*1998\*\*\* ),  
 64/1-2 (69-82), 69 reference(s)  
 CODEN: JSBBEZ ISSN: 0960-0760  
 PUI S0960076097001416  
 DT Journal; Article

LA English  
SL English

L15 ANSWER 18 OF 177 BIOTECHNO COPYRIGHT 2005 Elsevier Science B.V. on STN  
AN 1997:27073451 BIOTECHNO  
TI Liposome solubilization and membrane protein reconstitution using Chaps  
and \*\*\*Chapso\*\*\*  
AU Cladera J.; Rigaud J.-L.; Villaverde J.; Dunach M.  
CS M. Dunach, Unitat de Biofisica, Facultat de Medicina, Universitat  
Autonoma de Barcelona, E-08193 Bellaterra, Spain.  
SO European Journal of Biochemistry, ( \*\*\*1997\*\*\* ), 243/3 (798-804), 34  
reference(s)  
CODEN: EJBCAI ISSN: 0014-2956  
DT Journal; Article  
CY Germany, Federal Republic of  
LA English  
SL English

L15 ANSWER 19 OF 177 BIOTECHNO COPYRIGHT 2005 Elsevier Science B.V. on STN  
AN 1996:26082250 BIOTECHNO  
TI Solubilization, partial purification, and affinity labeling of the  
membrane-bound isoprenylated protein endoprotease  
AU Chen Y.; Ma Y.-T.; Rando R.R.  
CS DBCMP, Harvard Medical School, Boston, MA 02115, United States.  
SO Biochemistry, ( \*\*\*1996\*\*\* ), 35/10 (3227-3237)  
CODEN: BICHAW ISSN: 0006-2960  
DT Journal; Article  
CY United States  
LA English  
SL English

L15 ANSWER 20 OF 177 BIOTECHNO COPYRIGHT 2005 Elsevier Science B.V. on STN  
AN 1994:24092824 BIOTECHNO  
TI Reconstitution of the myometrial oxytocin receptor into proteoliposomes -  
Dependence of oxytocin binding on cholesterol  
AU Klein U.; Fahrenholz F.  
CS Max-Planck-Institut fur Biophysik, Kennedyallee 70, D-60596 Frankfurt,  
Germany.  
SO European Journal of Biochemistry, ( \*\*\*1994\*\*\* ), 220/2 (559-567)  
CODEN: EJBCAI ISSN: 0014-2956  
DT Journal; Article  
CY Germany, Federal Republic of  
LA English  
SL English

L15 ANSWER 21 OF 177 BIOTECHNO COPYRIGHT 2005 Elsevier Science B.V. on STN  
AN 1993:23326862 BIOTECHNO  
TI Characterization and purification of the solubilized pituitary  
adenylate-cyclase-activating polypeptide-1 receptor from porcine brain  
using a biotinylated ligand  
AU Schafer H.; Schmidt W.E.  
CS Lab. of Molecular Gastroenterology, Gastrointestinal Unit, I. Department  
of Medicine, Schittenhelmstr. 12, D-24105 Kiel, Germany.  
SO European Journal of Biochemistry, ( \*\*\*1993\*\*\* ), 217/3 (823-830)  
CODEN: EJBCAI ISSN: 0014-2956  
DT Journal; Article  
CY Germany, Federal Republic of  
LA English  
SL English

L15 ANSWER 22 OF 177 BIOTECHNO COPYRIGHT 2005 Elsevier Science B.V. on STN  
AN 1993:23250631 BIOTECHNO  
TI Enhanced gel mobility shift assay for DNA-binding factors  
AU Hassanain H.H.; Dai W.; Gupta S.L.  
CS Hipple Cancer Research Center, 4100 S. Kettering Boulevard, Dayton, OH  
45439, United States.  
SO Analytical Biochemistry, ( \*\*\*1993\*\*\* ), 213/1 (162-167)  
CODEN: ANBCA2 ISSN: 0003-2697

CY United States  
 LA English  
 SL English

L15 ANSWER 23 OF 177 BIOTECHNO COPYRIGHT 2005 Elsevier Science B.V. on STN  
 AN 1991:22037846 BIOTECHNO  
 TI Characterization of a guanosine-nucleotide-binding-protein-coupled  
 receptor for pituitary adenylate-cyclase-activating polypeptide on plasma  
 membranes from rat brain  
 AU Schafer H.; Schwarzhoff R.; Creutzfeldt W.; Schmidt W.E.  
 CS Abt. Gastroenterol./Endokrinol, Medizinische Universitätskl.,  
 Robert-Koch-Str. 40,W-3400 Gottingen, Germany.  
 SO European Journal of Biochemistry, ( \*\*\*1991\*\*\* ), 202/3 (951-958)  
 CODEN: EJBCAI ISSN: 0014-2956  
 DT Journal; Article  
 CY Germany, Federal Republic of  
 LA English  
 SL English

L15 ANSWER 24 OF 177 BIOTECHNO COPYRIGHT 2005 Elsevier Science B.V. on STN  
 AN 1991:21162830 BIOTECHNO  
 TI Menaquinol-nitrate oxidoreductase of Bacillus halodenitrificans  
 AU Ketchum P.A.; Denariatz G.; LeGall J.; Payne W.J.  
 CS Department of Microbiology, The University of Georgia,Athens, GA 30602,  
 United States.  
 SO Journal of Bacteriology, ( \*\*\*1991\*\*\* ), 173/8 (2498-2505)  
 CODEN: JOBAAY ISSN: 0021-9193  
 DT Journal; Article  
 CY United States  
 LA English  
 SL English

L15 ANSWER 25 OF 177 BIOTECHNO COPYRIGHT 2005 Elsevier Science B.V. on STN  
 AN 1989:19262704 BIOTECHNO  
 TI Photoactivation of rhodopsin and interaction with transducin in detergent  
 micelles. Effect of 'doping' with steroid molecules  
 AU Konig B.; Welte W.; Hofmann K.P.  
 CS Institut fur Biophysik und Strahlenbiologie, Albert-Ludwigs-Universitat,  
 D-7800 Freiburg, Germany.  
 SO FEBS Letters, ( \*\*\*1989\*\*\* ), 257/1 (163-166)  
 CODEN: FEBLAL ISSN: 0014-5793  
 DT Journal; Article  
 CY Netherlands  
 LA English  
 SL English

L15 ANSWER 26 OF 177 BIOTECHNO COPYRIGHT 2005 Elsevier Science B.V. on STN  
 AN 1989:19245388 BIOTECHNO  
 TI Binding and hydrodynamic properties of muscarinic receptor subtypes  
 solubilized in 3-(3-cholamidopropyl)dimethylammonio-2-hydroxy-1-  
 propanesulfonate  
 AU Poyner D.R.; Birdsall N.J.M.; Curtis C.; Eveleigh P.; Hulme E.C.; Pedder  
 E.K.; Wheatley M.  
 CS Division of Physical Biochemistry, National Institute for Medical  
 Research, London NW7 1AA, United Kingdom.  
 SO Molecular Pharmacology, ( \*\*\*1989\*\*\* ), 36/3 (420-429)  
 CODEN: MOPMA3 ISSN: 0026-895X  
 DT Journal; Article  
 CY United States  
 LA English  
 SL English

L15 ANSWER 27 OF 177 BIOTECHNO COPYRIGHT 2005 Elsevier Science B.V. on STN  
 AN 1988:18108539 BIOTECHNO  
 TI Purification and characterization of dihydropyridine receptor from rabbit  
 skeletal muscle  
 AU Soldatov N.M.  
 CS Institute of Biomedical Technology, USSR Ministry of Public Health,

SO European Journal of Biochemistry, ( \*\*\*1988\*\*\* ), 173/2 (327-338)  
 CODEN: EJBCAI ISSN: 0014-2956  
 DT Journal; Article  
 CY Germany, Federal Republic of  
 LA English  
 SL English

L15 ANSWER 28 OF 177 BIOTECHNO COPYRIGHT 2005 Elsevier Science B.V. on STN  
 AN 1986:17207438 BIOTECHNO  
 TI Solubilization of hyaluronic acid synthetic activity from streptococci  
 and its activation with phospholipids  
 AU Triscott M.X.; Van De Rijn I.  
 CS Wake Forest University Medical Center, Winston-Salem, NC 27103, United  
 States.  
 SO Journal of Biological Chemistry, ( \*\*\*1986\*\*\* ), 261/13 (6004-6009)  
 CODEN: JBCHA3  
 DT Journal; Article  
 CY United States  
 LA English

L15 ANSWER 29 OF 177 BIOTECHNO COPYRIGHT 2005 Elsevier Science B.V. on STN  
 AN 1986:17187527 BIOTECHNO  
 TI Evaluation of an enzyme-linked immunosorbent assay for the measurement of  
 autoantibodies against eye muscle membrane antigens in Graves'  
 ophthalmopathy  
 AU Miller A.; Sikorska H.; Salvi M.; Wall J.R.  
 CS Thyroid Unit, Montreal General Hospital Research Institute, Montreal,  
 Que. H3G 1A4, Canada.  
 SO Acta Endocrinologica, ( \*\*\*1986\*\*\* ), 113/4 (514-522)  
 CODEN: ACENA7  
 DT Journal; Article  
 CY Denmark  
 LA English

L15 ANSWER 30 OF 177 BIOTECHNO COPYRIGHT 2005 Elsevier Science B.V. on STN  
 AN 1987:17084923 BIOTECHNO  
 TI Solubilization and properties of oxytocin receptors from rat mammary  
 gland  
 AU Soloff M.S.; Fernstrom M.A.  
 CS Department of Biochemistry, Medical College of Ohio, Toledo, OH 43699,  
 United States.  
 SO Endocrinology, ( \*\*\*1987\*\*\* ), 120/6 (2474-2482)  
 CODEN: ENDOAO  
 DT Journal; Article  
 CY United States  
 LA English

L15 ANSWER 31 OF 177 BIOTECHNO COPYRIGHT 2005 Elsevier Science B.V. on STN  
 AN 1984:15181739 BIOTECHNO  
 TI Solubilization and resolution of the membrane-bound nitrite reductase  
 from Paracoccus halodenitrificans into nitrite and nitric oxide reductase  
 AU Grant M.A.; Cronin S.E.; Hochstein L.I.  
 CS Department of Biology, University of Santa Clara, Santa Clara, CA, United  
 States.  
 SO Archives of Microbiology, ( \*\*\*1984\*\*\* ), 140/2-3 (183-186)  
 CODEN: AMICCW  
 DT Journal; Article  
 CY Germany, Federal Republic of  
 LA English

L15 ANSWER 32 OF 177 BIOTECHNO COPYRIGHT 2005 Elsevier Science B.V. on STN  
 AN 1984:14101765 BIOTECHNO  
 TI Solubilization and anionic regulation of cerebral sedative/convulsant  
 receptors labeled with .cents..sup.3.sup.5S! tert-  
 butylbicyclophorothionate (TBPS)  
 AU Trifiletti R.R.; Snowman A.M.; Snyder S.H.  
 CS Department of Neuroscience, Johns Hopkins University School of Medicine,  
 Baltimore, MD 21205, United States.

120/2 (692-699)  
 CODEN: BBRCA0  
 DT Journal; Article  
 CY United States  
 LA English

L15 ANSWER 33 OF 177 CABA COPYRIGHT 2005 CABI on STN  
 AN 96:117747 CABA  
 DN 19962211266  
 TI Solubilization of oxytocin receptors in porcine renal LLC-PK1 cell membranes  
 AU Flanagan-Cato, L. M.; Moga, C. N.; Fluharty, S. J.  
 CS Department of Psychology, University of Pennsylvania, Philadelphia, PA 19104, USA.  
 SO Peptides, ( \*\*\*1996\*\*\* ) Vol. 17, No. 2, pp. 251-256. 30 ref.  
 ISSN: 0196-9781  
 DT Journal  
 LA English  
 ED Entered STN: 19960913  
 Last Updated on STN: 19960913

L15 ANSWER 34 OF 177 CABA COPYRIGHT 2005 CABI on STN  
 AN 96:27490 CABA  
 DN 19962200270  
 TI Isolation of serovar-specific leptospiral antigens for use in an enzyme-linked immunosorbent assay (ELISA) compared with the microscopic agglutination test and immunofluorescence  
 AU Sting, R.; Dura, U.  
 CS Staatliches Tierarztliches Untersuchungsamt Stuttgart, Germany.  
 SO Journal of Veterinary Medicine. Series B, ( \*\*\*1994\*\*\* ) Vol. 41, No. 3, pp. 166-175. 29 ref.  
 ISSN: 0931-1793  
 DT Journal  
 LA English  
 ED Entered STN: 19960216  
 Last Updated on STN: 19960216

L15 ANSWER 35 OF 177 CABA COPYRIGHT 2005 CABI on STN  
 AN 93:34655 CABA  
 DN 19932280339  
 TI Effects of detergent-extracted proteins from purified Mycoplasma pulmonis on the titers of indirect-hemagglutination test and enzyme-linked immunosorbent assay  
 AU Chen, J. R.; Weng, C. N.  
 CS Department of Pathology, Pig Research Institute, P.O. Box 23 Chunan, Miaoli, Taiwan 35099.  
 SO Journal of the Chinese Society of Veterinary Science, ( \*\*\*1992\*\*\* ) Vol. 18, No. 1, pp. 17-24. 13 ref.  
 ISSN: 0253-9179  
 DT Journal  
 LA English  
 SL Chinese  
 ED Entered STN: 19941101  
 Last Updated on STN: 19941101

L15 ANSWER 36 OF 177 CABA COPYRIGHT 2005 CABI on STN  
 AN 93:34654 CABA  
 DN 19932280338  
 TI Effects of detergents on the activities of adenosine triphosphatase and antigenicity of extracted proteins from Mycoplasma pulmonis  
 AU Chen, J. R.; Weng, C. N.  
 CS Department of Pathology, Pig Research Institute, PO Box 23 Chunan, Miaoli, Taiwan 35099.  
 SO Journal of the Chinese Society of Veterinary Science, ( \*\*\*1992\*\*\* ) Vol. 18, No. 1, pp. 7-15. 21 ref.  
 ISSN: 0253-9179  
 DT Journal  
 LA English

ED Entered STN: 19941101  
Last Updated on STN: 19941101

L15 ANSWER 37 OF 177 CABA COPYRIGHT 2005 CABI on STN  
AN 91:62904 CABA  
DN 19910744380  
TI Phosphatidylethanolamine synthesis by a base exchange reaction in castor  
bean endosperm  
AU Shin, S.  
CS Louisiana State University, Baton Rouge, LA 70803, USA.  
SO Dissertation Abstracts International. B, Sciences and Engineering, (  
\*\*\*1990\*\*\* ) Vol. 51, No. 4, pp. 1589B.  
Order No: DA9025341.  
ISSN: 0419-4217  
DT Journal  
LA English  
ED Entered STN: 19941101  
Last Updated on STN: 19941101

L15 ANSWER 38 OF 177 CABA COPYRIGHT 2005 CABI on STN  
AN 90:115216 CABA  
DN 19900738129  
TI Enzymology of L-proline synthesis  
AU Rayapati, P. J.  
CS Iowa State University, Ames, IA 50011, USA.  
SO Dissertation Abstracts International. B, Sciences and Engineering, (  
\*\*\*1990\*\*\* ) Vol. 50, No. 9, pp. 3793B-3794B.  
Order No: DA9003559.  
ISSN: 0419-4217  
DT Journal  
LA English  
ED Entered STN: 19941101  
Last Updated on STN: 19941101

L15 ANSWER 39 OF 177 CAPLUS COPYRIGHT 2005 ACS on STN  
AN 2001:13663 CAPLUS  
DN 135:73562  
TI The effect of detergents on chemical occult blood test  
AU Imafuku, Yuji; Yoshida, Hiroshi; Yoshida, Satoshi  
CS Department of Clinical Laboratory Medicine, Fukushima Medical University  
School of Medicine, Fukushima, 960-1295, Japan  
SO Fukushima Journal of Medical Science ( \*\*\*1999\*\*\* ), 45(2), 117-123  
CODEN: FJMSAU; ISSN: 0016-2590  
PB Fukushima Society of Medical Science  
DT Journal  
LA English

RE.CNT 9 THERE ARE 9 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L15 ANSWER 40 OF 177 CAPLUS COPYRIGHT 2005 ACS on STN  
AN 2000:814284 CAPLUS  
DN 133:366419  
TI Lipid particles on the basis of mixtures of liquid and solid lipids and  
method for producing same for drug delivery  
IN Muller, Rainer Helmut; Jennings, Volkhard; Mader, Karsten; Lippacher,  
Andreas  
PA Pharmasol G.m.b.H., Germany  
SO PCT Int. Appl., 85 pp.  
CODEN: PIXXD2  
DT Patent  
LA German

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2000067728	A2	20001116	WO 2000-EP4112	20000508 <--
	WO 2000067728	A3	20010809		
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LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE,  
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 TR 200103188 T2 20020422 TR 2001-200103188 20000508  
 JP 2002544155 T2 20021224 JP 2000-616755 20000508  
 ZA 2001008794 A 20020715 ZA 2001-8794 20011025  
 PRAI DE 1999-19921034 A 19990507  
 DE 1999-19938371 A 19990809  
 DE 1999-19945203 A 19990921  
 DE 2000-10016357 A 20000331  
 WO 2000-EP4112 W 20000508

L15 ANSWER 41 OF 177 CAPLUS COPYRIGHT 2005 ACS on STN  
 AN 2000:682466 CAPLUS  
 DN 134:38702  
 TI Detergent-Solubilized Bovine Cytochrome c Oxidase: Dimerization Depends on  
 the Amphiphilic Environment  
 AU Musatov, Andrej; Ortega-Lopez, Jaime; Robinson, Neal C.  
 CS Department of Biochemistry, The University of Texas Health Science Center,  
 San Antonio, TX, 78229-3900, USA  
 SO Biochemistry ( \*\*\*2000\*\*\* ), 39(42), 12996-13004  
 CODEN: BICHAW; ISSN: 0006-2960  
 PB American Chemical Society  
 DT Journal  
 LA English  
 RE.CNT 36 THERE ARE 36 CITED REFERENCES AVAILABLE FOR THIS RECORD  
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L15 ANSWER 42 OF 177 CAPLUS COPYRIGHT 2005 ACS on STN  
 AN 2000:401981 CAPLUS  
 DN 133:39077  
 TI Method for efficiently immobilizing DNA on a carrier using new buffer  
 compositions  
 IN Takayama, Masanori; Rokushima, Masatomo; Ueda, Minoru; Okamoto, Sachiko;  
 Ozaki, Aya; Mineno, Junichi; Kimizuka, Fusao; Asada, Kiyozo; Kato,  
 Ikunoshin  
 PA Takara Shuzo Co., Ltd., Japan  
 SO PCT Int. Appl., 45 pp.  
 CODEN: PIXXD2  
 DT Patent  
 LA Japanese  
 FAN.CNT 2  

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000034456	A1	20000615	WO 1999-JP6865	19991208 <--
W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG EP 1138761 A1 20011004 EP 1999-959690 19991208 R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO PRAI JP 1998-351276 A 19981210				

RE.CNT 14 THERE ARE 14 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L15 ANSWER 43 OF 177 CAPLUS COPYRIGHT 2005 ACS on STN  
AN 2000:384467 CAPLUS  
DN 133:28029  
TI Method for assaying platelet-activating factor acetylhydrolase activity  
IN Yamaguchi, Masahiro; Kosaka, Tetsuya; Toyosato, Mitsuyoshi; Mizuno, Kouji;  
Soda, Yasuji; Iwakura, Fuzuki  
PA Azwell Inc., Japan  
SO PCT Int. Appl., 65 pp.  
CODEN: PIXXD2  
DT Patent  
LA Japanese  
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2000032808	A1	20000608	WO 1999-JP6745	19991201 <--
	W: JP, US				
	RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
	JP 2002223794	A2	20020813	JP 1998-342759	19981202
PRAI	JP 1998-342759	A	19981202		
OS	MARPAT 133:28029				

RE.CNT 12 THERE ARE 12 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L15 ANSWER 44 OF 177 CAPLUS COPYRIGHT 2005 ACS on STN  
AN 2000:367108 CAPLUS  
DN 133:14302  
TI Erythroblast diagnostic flow-cytometry method and reagents  
IN Tsuji, Tomohiro; Sakata, Takashi; Ikeuchi, Yoshiro; Oguni, Shin'ichiro  
PA Sysmex Corporation, Japan  
SO Eur. Pat. Appl., 39 pp.  
CODEN: EPXXDW  
DT Patent  
LA English  
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 1004880	A2	20000531	EP 1998-310004	19981207 <--
	EP 1004880	A3	20030205		
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
	JP 2000162209	A2	20000616	JP 1998-336916	19981127 <--
	US 6664110	B1	20031216	US 1998-207995	19981209
PRAI	JP 1998-336916	A	19981127		
OS	MARPAT 133:14302				

L15 ANSWER 45 OF 177 CAPLUS COPYRIGHT 2005 ACS on STN  
AN 2000:349909 CAPLUS  
DN 133:120781  
TI Polyethylene degradation by manganese peroxidase in the absence of hydrogen peroxide  
AU Ehara, Katsunobu; Iiyoshi, Yuka; Tsutsumi, Yuji; Nishida, Tomoaki  
CS Faculty of Agriculture, Shizuoka University, Shizuoka, 422-8529, Japan  
SO Journal of Wood Science ( \*\*\*2000\*\*\* ), 46(2), 180-183  
CODEN: JWSCFG; ISSN: 1435-0211  
PB Springer-Verlag Tokyo  
DT Journal  
LA English

RE.CNT 15 THERE ARE 15 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L15 ANSWER 46 OF 177 CAPLUS COPYRIGHT 2005 ACS on STN  
AN 2000:349902 CAPLUS  
DN 133:152149  
TI Role of Tween 80 in biobleaching of unbleached hardwood kraft pulp with

AU Ehara, Katsunobu; Tsutsumi, Yuji; Nishida, Tomoaki  
CS Faculty of Agriculture, Shizuoka University, Shizuoka, 422-8529, Japan  
SO Journal of Wood Science ( \*\*\*2000\*\*\* ), 46(2), 137-142  
CODEN: JWSCFG; ISSN: 1435-0211  
PB Springer-Verlag Tokyo  
DT Journal  
LA English

RE.CNT 24 THERE ARE 24 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L15 ANSWER 47 OF 177 CAPLUS COPYRIGHT 2005 ACS on STN  
AN 2000:336087 CAPLUS  
DN 133:53946  
TI Human oxytocin receptors in cholesterol-rich vs. cholesterol-poor  
microdomains of the plasma membrane  
AU Gimpl, Gerald; Fahrenholz, Falk  
CS Institute of Biochemistry, Johannes-Gutenberg-University Mainz, Mainz,  
D-55099, Germany  
SO European Journal of Biochemistry ( \*\*\*2000\*\*\* ), 267(9), 2483-2497  
CODEN: EJBCAI; ISSN: 0014-2956  
PB Blackwell Science Ltd.  
DT Journal  
LA English

RE.CNT 62 THERE ARE 62 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L15 ANSWER 48 OF 177 CAPLUS COPYRIGHT 2005 ACS on STN  
AN 2000:243621 CAPLUS  
DN 132:344788  
TI Gel chromatographic characterization of the hydrophobic interaction of  
glycosylphosphatidylinositol-alkaline phosphatase with detergents  
AU Gehrhardt, Silke; Blume, Eva; Cumme, Gerhard A.; Bublit, Renate; Rhode,  
Heidrun; Horn, Anton  
CS Institute of Biochemistry, Medical Faculty, Friedrich Schiller University,  
Jena, D-07740, Germany  
SO Biological Chemistry ( \*\*\*2000\*\*\* ), 381(2), 161-172  
CODEN: BICHF3; ISSN: 1431-6730  
PB Walter de Gruyter GmbH & Co. KG  
DT Journal  
LA English

RE.CNT 47 THERE ARE 47 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L15 ANSWER 49 OF 177 CAPLUS COPYRIGHT 2005 ACS on STN  
AN 1999:784800 CAPLUS  
DN 132:148632  
TI Sign determination of dipolar couplings in field-oriented bicelles by  
variable angle sample spinning (VASS)  
AU Tian, F.; Losonczi, J. A.; Fischer, M. W. F.; Prestegard, J. H.  
CS Complex Carbohydrate Research Center, University of Georgia, Athens, GA,  
30602-4712, USA  
SO Journal of Biomolecular NMR ( \*\*\*1999\*\*\* ), 15(2), 145-150  
CODEN: JBNME9; ISSN: 0925-2738  
PB Kluwer Academic Publishers  
DT Journal  
LA English

RE.CNT 29 THERE ARE 29 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L15 ANSWER 50 OF 177 CAPLUS COPYRIGHT 2005 ACS on STN  
AN 1999:705623 CAPLUS  
DN 131:306442  
TI Separation of various boron species in boric acid solution using  
electrostatic ion chromatography  
AU Shen, Gui-Jun; Peng, Zeng-Hui; Huang, Hai-Ying; Shi, Yu-Hua; Yu, Ai-Min;  
Jin, Qin-Han  
CS Department of Chemistry, Jilin University, Changchun, 130023, Peop. Rep.  
China

PB CODEN: KTHPDM; ISSN: 0251-0790  
DT Gaodeng Jiaoyu Chubanshe  
LA Journal  
Chinese

L15 ANSWER 51 OF 177 CAPLUS COPYRIGHT 2005 ACS on STN  
AN 1999:680622 CAPLUS  
DN 132:1426

TI Probing the folding and unfolding of wild-type and mutant forms of bacteriorhodopsin in micellar solutions: Evaluation of reversible unfolding conditions

AU Chen, Guo Qiang; Gouaux, Eric

CS Department of Biochemistry and Molecular Biophysics, Columbia University, New York, NY, 10032, USA

SO Biochemistry ( \*\*\*1999\*\*\* ), 38(46), 15380-15387

CODEN: BICHAW; ISSN: 0006-2960

PB American Chemical Society

DT Journal

LA English

RE.CNT 40 THERE ARE 40 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L15 ANSWER 52 OF 177 CAPLUS COPYRIGHT 2005 ACS on STN  
AN 1999:672604 CAPLUS  
DN 131:314175

TI Polymer particle vaccine delivery system for Helicobacter pylori surface antigen

IN Carlsson, Hans; Larsson, Anette; Soderlind, Erik

PA Astra Aktiebolag, Swed.

SO PCT Int. Appl., 83 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9952550	A1	19991021	WO 1999-SE582	19990409 <--
	W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
	RW: GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
	AU 9940662	A1	19991101	AU 1999-40662	19990409 <--
	AU 765118	B2	20030911		
	EP 1071457	A1	20010131	EP 1999-924075	19990409
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
	JP 2002516822	T2	20020611	JP 2000-543160	19990409
	US 6838089	B1	20050104	US 1999-308435	19990519
PRAI	SE 1998-1288	A	19980414		
	WO 1999-SE582	W	19990409		

RE.CNT 18 THERE ARE 18 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L15 ANSWER 53 OF 177 CAPLUS COPYRIGHT 2005 ACS on STN  
AN 1999:487519 CAPLUS  
DN 131:120851

TI Nonrecombinant subunit vaccine

IN Gerlach, Gerald-F.; Goethe, Ralph

PA Germany

SO Ger. Offen., 22 pp.

CODEN: GWXXBX

DT Patent

LA German

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	DE 19753176	A1	19990729	DE 1997-19753176	19971120 <--
	DE 19753176	C2	20000427		
PRAI	DE 1997-19753176		19971120		
RE.CNT	5	THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT			

L15 ANSWER 54 OF 177 CAPLUS COPYRIGHT 2005 ACS on STN

AN 1999:464137 CAPLUS

DN 131:85146

TI A composition for use in fluorescence assay systems comprising a substrate which is a nonfluorescent fluorophore derivative and a maximum absorbance wavelength-shifting reagent

IN Palmer, Derek Adeyemi; French, Martin Thomas

PA Kalibrant Limited, UK

SO PCT Int. Appl., 53 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9934219	A1	19990708	WO 1998-GB3750	19981215 <--
	W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
	RW: GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
	CA 2316313	AA	19990708	CA 1998-2316313	19981215 <--
	AU 9914998	A1	19990719	AU 1999-14998	19981215 <--
	AU 739991	B2	20011025		
	GB 2336207	A1	19991013	GB 1999-13684	19981215 <--
	GB 2336207	B2	20000112		
	EP 1042673	A1	20001011	EP 1998-959074	19981215 <--
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI				
	JP 2002500364	T2	20020108	JP 2000-526819	19981215
	US 6271039	B1	20010807	US 1999-355467	19990730
PRAI	GB 1997-27355	A	19971224		
	WO 1998-GB3750	W	19981215		
RE.CNT	7	THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT			

L15 ANSWER 55 OF 177 CAPLUS COPYRIGHT 2005 ACS on STN

AN 1999:335359 CAPLUS

DN 131:141625

TI Improved low pH bicelle system for orienting macromolecules over a wide temperature range

AU Cavagnero, Silvia; Dyson, H. Jane; Wright, Peter E.

CS Department of Molecular Biology MB-2 and Skaggs Institute for Chemical Biology, The Scripps Research Institute, La Jolla, CA, 92037, USA

SO Journal of Biomolecular NMR ( \*\*\*1999\*\*\* ), 13(4), 387-391

CODEN: JBNME9; ISSN: 0925-2738

PB Kluwer Academic Publishers

DT Journal

LA English

RE.CNT 22 THERE ARE 22 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L15 ANSWER 56 OF 177 CAPLUS COPYRIGHT 2005 ACS on STN

AN 1999:166636 CAPLUS

DN 130:179623

TI A simple, environmentally benign, method for purifying protein A utilizing

chromatography  
IN Torres, Anthony R.; Runkis, Walter H.  
PA USA  
SO PCT Int. Appl., 15 pp.  
CODEN: PIXXD2  
DT Patent  
LA English  
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9910370	A1	19990304	WO 1998-US17628	19980825 <--
	W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, GM, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
	RW: GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
	AU 9890342	A1	19990316	AU 1998-90342	19980825 <--
	US 6555661	B1	20030429	US 2000-486417	20000225
PRAI	US 1997-56786P	P	19970825		
	WO 1998-US17628	W	19980825		
RE.CNT	4	THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT			

L15 ANSWER 57 OF 177 CAPLUS COPYRIGHT 2005 ACS on STN  
AN 1999:95492 CAPLUS  
DN 130:278795  
TI A liquid crystalline medium for measuring residual dipolar couplings over a wide range of temperatures  
AU Wang, Hong; Eberstadt, Matthias; Olejniczak, Edward T.; Meadows, Robert P.; Fesik, Stephen W.  
CS Abbott Laboratories, IL, 60064-3500, USA  
SO Journal of Biomolecular NMR ( \*\*\*1998\*\*\* ), 12(3), 443-446  
CODEN: JBNME9; ISSN: 0925-2738  
PB Kluwer Academic Publishers  
DT Journal  
LA English  
RE.CNT 11 THERE ARE 11 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L15 ANSWER 58 OF 177 CAPLUS COPYRIGHT 2005 ACS on STN  
AN 1999:41905 CAPLUS  
DN 130:219682  
TI Structural analysis of the catalysis and membrane association of PLC- $\delta$ .1  
AU Essen, L.-O.; Brownlie, P. D.; Perisic, O.; Katan, M.; Williams, R. L.  
CS Laboratory of Molecular Biology, MRC Centre, Cambridge, CB2 2QH, UK  
SO ACS Symposium Series ( \*\*\*1999\*\*\* ), 718(Phosphoinositides), 121-136  
CODEN: ACSMC8; ISSN: 0097-6156  
PB American Chemical Society  
DT Journal; General Review  
LA English  
RE.CNT 66 THERE ARE 66 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L15 ANSWER 59 OF 177 CAPLUS COPYRIGHT 2005 ACS on STN  
AN 1999:21619 CAPLUS  
DN 130:92462  
TI SDS enhancement of alkaline phosphatase-generated chemiluminescence from chemiluminescent substrates  
IN Sheridan, Patrick J.  
PA Chiron Corporation, USA  
SO U.S., 20 pp., Cont.-in-part of U.S. Ser. No. 472,756.  
CODEN: USXXAM  
DT Patent  
LA English

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 5853974	A	19981229	US 1996-610955	19960305 <--
	US 5780227	A	19980714	US 1995-472756	19950607 <--
	CA 2221509	AA	19961219	CA 1996-2221509	19960607 <--
	WO 9641015	A2	19961219	WO 1996-US9767	19960607 <--
	WO 9641015	A3	19970501		
	W: AU, CA, JP, MX				
	RW: AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
	AU 9662663	A1	19961230	AU 1996-62663	19960607 <--
	AU 716770	B2	20000309		
	EP 832296	A2	19980401	EP 1996-921438	19960607 <--
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI				
	JP 11507531	T2	19990706	JP 1996-501991	19960607 <--
	AU 735921	B2	20010719	AU 1999-59405	19991112 <--
	AU 9959405	A1	20000217		
	AU 744032	B2	20020214	AU 1999-64489	19991213 <--
	AU 9964489	A1	20000309		
PRAI	US 1995-472756	A2	19950607		
	US 1996-610955	A	19960305		
	WO 1996-US9767	W	19960607		

OS MARPAT 130:92462

RE.CNT 21 THERE ARE 21 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L15 ANSWER 60 OF 177 CAPLUS COPYRIGHT 2005 ACS on STN

AN 1998:793069 CAPLUS

DN 130:43349

TI Disinfection by particle-bound and insolubilized detergents

IN Shanbrom, Edward

PA Shanbrom Technologies, LLC, USA

SO PCT Int. Appl., 27 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9853860	A1	19981203	WO 1998-US11376	19980529 <--
	W: AU, CA, JP				
	RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
	US 2003039673	A1	20030227	US 1997-866284	19970530
	US 6610316	B2	20030826		
	AU 9877205	A1	19981230	AU 1998-77205	19980529 <--
	EP 1011740	A1	20000628	EP 1998-925201	19980529 <--
	EP 1011740	B1	20020320		
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI				
	AT 214618	E	20020415	AT 1998-925201	19980529
PRAI	US 1997-866284	A	19970530		
	WO 1998-US11376	W	19980529		

RE.CNT 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L15 ANSWER 61 OF 177 CAPLUS COPYRIGHT 2005 ACS on STN

AN 1998:760083 CAPLUS

DN 130:12143

TI Cyanide-containing hemoglobin reagent composition and method providing acceptable precision, accuracy and freedom from white cell interference on automated hematology analyzers

IN Malin, Michael J.

PA Bayer Corporation, USA

SO Eur. Pat. Appl., 15 pp.

CODEN: EPXXDW

DT Patent

LA English

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 878715	A1	19981118	EP 1998-108384	19980508 <--
	EP 878715	B1	20020731		
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
	US 5858794	A	19990112	US 1997-854914	19970513 <--
	CA 2234568	AA	19981113	CA 1998-2234568	19980409 <--
	IL 124093	A1	20000831	IL 1998-124093	19980414 <--
	AU 9863667	A1	19981119	AU 1998-63667	19980428 <--
	AU 732528	B2	20010426		
	BR 9801601	A	19990629	BR 1998-1601	19980507 <--
	AT 221664	E	20020815	AT 1998-108384	19980508
	PT 878715	T	20021129	PT 1998-108384	19980508
	ES 2181085	T3	20030216	ES 1998-108384	19980508
	CZ 294599	B6	20050216	CZ 1998-1461	19980512
	JP 10319021	A2	19981204	JP 1998-148453	19980513 <--
PRAI	US 1997-854914	A	19970513		
	AU 1997-6486	A	19970430		
	AU 1997-6488	A	19970430		
	AU 1997-6491	A	19970430		
	AU 1997-6492	A	19970430		

RE.CNT 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L15 ANSWER 62 OF 177 CAPLUS COPYRIGHT 2005 ACS on STN  
AN 1998:492993 CAPLUS  
DN 129:213280  
TI A sensitive, continuously recording fluorogenic assay for calpain  
AU Mallya, Satish K.; Meyer, Sheryl; Bozyczko-Coyne, Donna; Siman, Robert; Ator, Mark A.  
CS Cephalon Inc., West Chester, PA, 19380, USA  
SO Biochemical and Biophysical Research Communications ( \*\*\*1998\*\*\* ), 248(2), 293-296  
CODEN: BBRCA9; ISSN: 0006-291X  
PB Academic Press  
DT Journal  
LA English

RE.CNT 16 THERE ARE 16 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L15 ANSWER 63 OF 177 CAPLUS COPYRIGHT 2005 ACS on STN  
AN 1998:470025 CAPLUS  
DN 129:199993  
TI On choosing a detergent for solution NMR studies of membrane proteins  
AU Vinogradova, Olga; Sonnichsen, Frank; Sanders, Charles R., II  
CS Department of Physiology and Biophysics, Case Western Reserve University, Cleveland, OH, 44106-4970, USA  
SO Journal of Biomolecular NMR ( \*\*\*1998\*\*\* ), 11(4), 381-386  
CODEN: JBNME9; ISSN: 0925-2738  
PB Kluwer Academic Publishers  
DT Journal  
LA English

RE.CNT 19 THERE ARE 19 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L15 ANSWER 64 OF 177 CAPLUS COPYRIGHT 2005 ACS on STN  
AN 1998:184082 CAPLUS  
DN 128:228263  
TI Prevention of probe coating on automated analyzers using a non-denaturing surfactant  
IN Ni, Wei-Chao; Detert, Anna Marie; Hughes, James Joseph  
PA Chiron Diagnostics Corporation, USA; Ni, Wei-Chao; Detert, Anna Marie; Hughes, James Joseph  
SO PCT Int. Appl., 37 pp.  
CODEN: PIXXD2  
DT Patent  
LA English



	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9811441	A1	19980319	WO 1997-IB1064	19970908 <--
	W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, HU, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
	RW: GH, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
	US 5786153	A	19980728	US 1996-712829	19960912 <--
	AU 9739516	A1	19980402	AU 1997-39516	19970908 <--
	EP 925507	A1	19990630	EP 1997-936825	19970908 <--
	EP 925507	B1	20020724		
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI				
	JP 2001504215	T2	20010327	JP 1998-513432	19970908
	AT 221205	E	20020815	AT 1997-936825	19970908
	PT 925507	T	20021129	PT 1997-936825	19970908
	ES 2181018	T3	20030216	ES 1997-936825	19970908
PRAI	US 1996-712829	A1	19960912		
	WO 1997-IB1064	W	19970908		
RE.CNT	4	THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT			

L15 ANSWER 65 OF 177 CAPLUS COPYRIGHT 2005 ACS on STN  
AN 1998:21476 CAPLUS  
DN 128:99284  
TI A method for measuring the concentration of protease inhibitors, kit for use in such a method and method for dissolving a substrate  
IN Uenoyama, Harumi; Ohshiro, Kyouichi; Nanbu, Atsuko; Fukunaga, Satoshi  
PA Kabushiki Kaisha Kyoto Daiichi Kagaku, Japan  
SO Eur. Pat. Appl., 11 pp.  
CODEN: EPXXDW  
DT Patent  
LA English  
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 814167	A1	19971229	EP 1997-304313	19970619 <--
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
	JP 10070997	A2	19980317	JP 1997-156398	19970613 <--
	US 5856117	A	19990105	US 1997-879962	19970620 <--
PRAI	JP 1996-162163	A	19960621		
	JP 1996-166311	A	19960626		

L15 ANSWER 66 OF 177 CAPLUS COPYRIGHT 2005 ACS on STN  
AN 1997:806109 CAPLUS  
DN 128:125015  
TI Nuclear Magnetic Resonance Characterization of the Myristoylated, N-Terminal Fragment of ADP-Ribosylation Factor 1 in a Magnetically Oriented Membrane Array  
AU Losonczi, Judit A.; Prestegard, James H.  
CS Department of Chemistry, Yale University, New Haven, CT, 06520, USA  
SO Biochemistry ( \*\*\*1998\*\*\* ), 37(2), 706-716  
CODEN: BICHAW; ISSN: 0006-2960  
PB American Chemical Society  
DT Journal  
LA English  
RE.CNT 36 THERE ARE 36 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L15 ANSWER 67 OF 177 CAPLUS COPYRIGHT 2005 ACS on STN  
AN 1997:573126 CAPLUS  
DN 127:259310  
TI Activation of pollen tube callose synthase by detergents. Evidence for

AU Li, Huijuan; Basic, Antony; Read, Steve M.  
 CS Plant Cell Biology Research Centre, School of Botany, University of  
 Melbourne, Parkville, 3052, Australia  
 SO Plant Physiology ( \*\*\*1997\*\*\* ), 114(4), 1255-1265  
 CODEN: PLPHAY; ISSN: 0032-0889  
 PB American Society of Plant Physiologists  
 DT Journal  
 LA English

L15 ANSWER 68 OF 177 CAPLUS COPYRIGHT 2005 ACS on STN  
 AN 1997:454200 CAPLUS  
 DN 127:77091  
 TI Evaluation of cytotoxic potential of surfactants with MTT assay in  
 different cell lines  
 AU Lopez, de Cerain A.; Jimenez, A.; Terencio, J.; Marin, A.; Bello, J.  
 CS Depto. Bromatologia, Tecnologia Alimentos Toxicologia, Pamplona, 31008,  
 Spain  
 SO Revista de Toxicologia ( \*\*\*1996\*\*\* ), 13(1), 13-19  
 CODEN: REVTE9; ISSN: 0212-7113  
 PB Asociacion Espanola de Toxicologia  
 DT Journal  
 LA Spanish

L15 ANSWER 69 OF 177 CAPLUS COPYRIGHT 2005 ACS on STN  
 AN 1997:262375 CAPLUS  
 DN 126:234680  
 TI Assays for lipopolysaccharide antigens  
 IN Menton, Jeanette Elizabeth Bridget; Sheard, Paul Raymond  
 PA Unipath Limited, UK  
 SO Eur. Pat. Appl., 6 pp.  
 CODEN: EPXXDW  
 DT Patent  
 LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE	
PI	EP 763737	A1	19970319	EP 1996-305901	19960812	<--
	EP 763737	B1	20000315			
	R: AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LI, NL, PT, SE					
	AT 190725	E	20000415	AT 1996-305901	19960812	<--
	ES 2145388	T3	20000701	ES 1996-305901	19960812	<--
	JP 09127110	A2	19970516	JP 1996-234451	19960904	<--
	JP 3534952	B2	20040607			
	US 6159703	A	20001212	US 1996-713849	19960913	<--
PRAI	EP 1995-306506	A	19950914			

L15 ANSWER 70 OF 177 CAPLUS COPYRIGHT 2005 ACS on STN  
 AN 1997:178600 CAPLUS  
 DN 126:183355  
 TI Analysis of Peptide and Protein Samples Containing Surfactants by MALDI-MS  
 AU Amado, Francisco M. L.; Santana-Marques, M. Graca; Ferrer-Correia, A. J.;  
 Tomer, Kenneth B.  
 CS Department of Chemistry, University of Aveiro, Aveiro, 3830, Port.  
 SO Analytical Chemistry ( \*\*\*1997\*\*\* ), 69(6), 1102-1106  
 CODEN: ANCHAM; ISSN: 0003-2700  
 PB American Chemical Society  
 DT Journal  
 LA English

RE.CNT 9 THERE ARE 9 CITED REFERENCES AVAILABLE FOR THIS RECORD  
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L15 ANSWER 71 OF 177 CAPLUS COPYRIGHT 2005 ACS on STN  
 AN 1997:89213 CAPLUS  
 DN 126:183557  
 TI Characterization of intranuclear protein in human cytomegalovirus infected  
 cells by HCMV specific monoclonal antibodies  
 AU Jong, Hyun-Soon; Park, Chung-Gyu; Hwang, Eung-Soo; Seoh, Ju-Young; Lim,  
 Dong-Gyun; Park, Jae-Won; Kook, Yoon-Hoh; Cha, Chang-Yong

Seoul, 110-799, S. Korea  
SO Taehan Misaengmul Hakhoechi ( \*\*\*1996\*\*\* ), 31(5), 581-589  
CODEN: TMHCDX; ISSN: 0253-3162  
PB Korean Society for Microbiology  
DT Journal  
LA Korean

L15 ANSWER 72 OF 177 CAPLUS COPYRIGHT 2005 ACS on STN  
AN 1997:7044 CAPLUS  
DN 126:86376  
TI Purification and characterization of a membrane-bound deglycating enzyme  
(1-deoxyfructosyl alkyl amino acid oxidase, EC 15.3) from a Pseudomonas  
sp. soil strain  
AU Saxena, Amit K.; Saxena, Poonam; Monnier, Vincent M.  
CS Inst. Pathol., Case Western Reserve Univ., Cleveland, OH, 44106, USA  
SO Journal of Biological Chemistry ( \*\*\*1996\*\*\* ), 271(51), 32803-32809  
CODEN: JBCHA3; ISSN: 0021-9258  
PB American Society for Biochemistry and Molecular Biology  
DT Journal  
LA English

L15 ANSWER 73 OF 177 CAPLUS COPYRIGHT 2005 ACS on STN  
AN 1996:675350 CAPLUS  
DN 126:154194  
TI Conformation of sulfoquinovosyldiacylglycerol bound to a magnetically  
oriented membrane system  
AU Howard, Kathleen P.; Prestegard, James H.  
CS Dep. Chem., Yale Univ., New Haven, CT, 06511, USA  
SO Biophysical Journal ( \*\*\*1996\*\*\* ), 71(5), 2573-2582  
CODEN: BIOJAU; ISSN: 0006-3495  
PB Biophysical Society  
DT Journal  
LA English

L15 ANSWER 74 OF 177 CAPLUS COPYRIGHT 2005 ACS on STN  
AN 1996:660233 CAPLUS  
DN 126:16110  
TI Detergent solubilization of 3.beta.-hydroxysteroid dehydrogenase from dog  
pancreas  
AU Mendoza-Hernandez, Guillermo; Libreros-Minotta, Carlos A.; Rendon, Juan L.  
CS Departamento De Bioquimica, Universidad Nacional Autonoma De Mexico, Mex.  
SO Comparative Biochemistry and Physiology, B: Biochemistry and Molecular  
Biology ( \*\*\*1996\*\*\* ), 115B(2), 273-279  
CODEN: CBPBB8; ISSN: 0305-0491  
PB Elsevier  
DT Journal  
LA English

L15 ANSWER 75 OF 177 CAPLUS COPYRIGHT 2005 ACS on STN  
AN 1996:607432 CAPLUS  
DN 125:242375  
TI Method and reagent for the specific determination of LDL in blood serum  
IN Karl, Johann  
PA Boehringer Mannheim GmbH, Germany  
SO Ger. Offen., 11 pp.  
CODEN: GWXXBX  
DT Patent  
LA German

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	DE 19505894	A1	19960822	DE 1995-19505894	19950221 <--
	EP 729032	A2	19960828	EP 1996-102230	19960215 <--
	EP 729032	A3	19980506		
	EP 729032	B1	20020515		
	R: DE, ES, FR, GB, IT				
	AU 9645532	A1	19960829	AU 1996-45532	19960215 <--
	AU 720492	B2	20000601		

IL 117182	A1	20010111	IL 1996-117182	19960219
US 5804450	A	19980908	US 1996-604083	19960220 <--
CA 2170003	AA	19960822	CA 1996-2170003	19960221 <--
JP 09211002	A2	19970815	JP 1996-34113	19960221 <--
JP 2749009	B2	19980513		
PRAI DE 1995-19505894	A	19950221		
OS MARPAT 125:242375				

L15 ANSWER 76 OF 177 CAPLUS COPYRIGHT 2005 ACS on STN  
 AN 1996:546523 CAPLUS  
 DN 125:269847  
 TI Enhancement of chemiluminescent assays  
 IN Bronstein, Irena Y.; Edwards, Brooks; Voyta, John C.  
 PA Tropix, Inc., USA  
 SO U.S., 21 pp., Cont.-in-part of U.S. Ser. No. 959,531.  
 CODEN: USXXAM  
 DT Patent  
 LA English  
 FAN.CNT 17

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 5547836	A	19960820	US 1993-31471	19930315 <--
	US 5112960	A	19920512	US 1990-574786	19900830 <--
	JP 04124185	A2	19920424	JP 1990-239764	19900910 <--
	JP 11021285	A2	19990126	JP 1996-86324	19910830 <--
	US 5330900	A	19940719	US 1991-806928	19911212 <--
	ES 2131529	T3	19990801	ES 1992-915721	19920305 <--
	US 5639907	A	19970617	US 1992-959531	19921013 <--
	CA 2157917	AA	19940929	CA 1994-2157917	19940315 <--
	WO 9421821	A1	19940929	WO 1994-US2549	19940315 <--
	W: AU, BB, BG, BR, BY, CA, CN, CZ, FI, GE, HU, JP, KG, KP, KR, KZ, LK, LV, MD, MG, MN, MW, NO, NZ, PL, RO, RU, SD, SK, TJ, TT, UA, UZ, VN				
	RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
	AU 9464449	A1	19941011	AU 1994-64449	19940315 <--
	EP 689611	A1	19960103	EP 1994-912204	19940315 <--
	EP 689611	B1	20020130		
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, MC, NL, PT, SE				
	JP 08507694	T2	19960820	JP 1994-521100	19940315 <--
	EP 1120652	A1	20010801	EP 2001-102819	19940315
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE				
	AT 212722	E	20020215	AT 1994-912204	19940315
	US 5543295	A	19960806	US 1994-233085	19940425 <--
	US 5679802	A	19971021	US 1995-433996	19950504 <--
	US 5654154	A	19970805	US 1996-588260	19960118 <--
	US 5831102	A	19981103	US 1996-598353	19960208 <--
	US 5994073	A	19991130	US 1997-850009	19970501 <--
	US 5856522	A	19990105	US 1997-882330	19970625 <--
PRAI	US 1990-574786	A3	19900830		
	US 1991-806928	A2	19911212		
	US 1992-959531	A2	19921013		
	US 1989-367772	B3	19850515		
	US 1986-889823	A1	19860724		
	US 1987-140197	B2	19871231		
	US 1990-559152	A2	19900725		
	JP 1991-518245	A3	19910830		
	EP 1992-915721	A	19920305		
	US 1993-31471	A	19930315		
	EP 1994-912204	A3	19940315		
	WO 1994-US2549	W	19940315		
	US 1994-233085	A1	19940425		
	US 1995-433996	A1	19950504		
	US 1996-588260	A1	19960118		
OS	MARPAT 125:269847				

L15 ANSWER 77 OF 177 CAPLUS COPYRIGHT 2005 ACS on STN  
 AN 1996:290384 CAPLUS

TI Dimeric .beta.-transforming growth factor and hybrid expression,  
microorganism fermentation, and protein folding  
IN Cerletti, Nico  
PA Ciba-Geigy A.-G., Switz.  
SO PCT Int. Appl., 59 pp.  
CODEN: PIXXD2  
DT Patent  
LA English  
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9603432	A1	19960208	WO 1995-EP2718	19950712 <--
	W: AM, AU, BB, BG, BR, BY, CA, CN, CZ, EE, FI, GE, HU, IS, JP, KG, KP, KR, KZ, LK, LR, LT, LV, MD, MG, MN, MX, NO, NZ, PL, RO, RU, SG, SI, SK, TJ, TM, TT, UA, US, UZ, VN				
	RW: KE, MW, SD, SZ, UG, AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
	TW 440566	B	20010616	TW 1995-84107188	19950711
	CA 2194582	AA	19960208	CA 1995-2194582	19950712 <--
	AU 9531095	A1	19960222	AU 1995-31095	19950712 <--
	AU 690311	B2	19980423		
	EP 775159	A1	19970528	EP 1995-926857	19950712 <--
	EP 775159	B1	20011031		
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, MC, NL, PT, SE				
	HU 76668	A2	19971028	HU 1997-210	19950712 <--
	JP 11505506	T2	19990521	JP 1995-505400	19950712 <--
	AT 207933	E	20011115	AT 1995-926857	19950712
	ES 2166401	T3	20020416	ES 1995-926857	19950712
	PT 775159	T	20020429	PT 1995-926857	19950712
	ZA 9506138	A	19960307	ZA 1995-6138	19950724 <--
	FI 9700229	A	19970120	FI 1997-229	19970120 <--
	NO 9700325	A	19970306	NO 1997-325	19970124 <--
	US 6057430	A	20000502	US 1998-123233	19980728 <--
PRAI	EP 1994-810438	A	19940725		
	WO 1995-EP2718	W	19950712		
	US 1997-776445	B1	19970124		

L15 ANSWER 78 OF 177 CAPLUS COPYRIGHT 2005 ACS on STN  
AN 1996:81138 CAPLUS  
DN 124:139403

TI Phosphatidate phosphatase from developing seeds and microspore-derived cultures of Brassica napus  
AU Kocsis, Michael G.; Weselake, Randall J.; Eng, John A.; Furukawa-Stoffer, Tara L.; Pomeroy, M. Keith  
CS Dep. Chem., Univ. Lethbridge, Lethbridge, AB, T1K 3M4, Can.  
SO Phytochemistry ( \*\*\*1996\*\*\* ), 41(2), 353-63  
CODEN: PYTCAS; ISSN: 0031-9422  
PB Elsevier  
DT Journal  
LA English

L15 ANSWER 79 OF 177 CAPLUS COPYRIGHT 2005 ACS on STN  
AN 1996:76011 CAPLUS  
DN 124:110611

TI Purification and characterization of UDP-glucose:ceramide glucosyltransferase from rat liver Golgi membranes  
AU Paul, Pascal; Kamisaka, Yasushi; Marks, David L.; Pagano, Richard E.  
CS Mayo Clin. Found., Rochester, MN, 55905, USA  
SO Journal of Biological Chemistry ( \*\*\*1996\*\*\* ), 271(4), 2287-93  
CODEN: JBCHA3; ISSN: 0021-9258  
PB American Society for Biochemistry and Molecular Biology  
DT Journal  
LA English

L15 ANSWER 80 OF 177 CAPLUS COPYRIGHT 2005 ACS on STN  
AN 1995:898448 CAPLUS  
DN 123:309727

bilayers  
 AU Hare, Brian J.; Prestegard, James H.; Engelman, Donald M.  
 CS Dep. Mol. Biophys. Biochem., Yale Univ., New Haven, CT, 06520, USA  
 SO Biophysical Journal ( \*\*\*1995\*\*\* ), 69(5), 1891-6  
 CODEN: BIOJAU; ISSN: 0006-3495  
 PB Biophysical Society  
 DT Journal  
 LA English

L15 ANSWER 81 OF 177 CAPLUS COPYRIGHT 2005 ACS on STN  
 AN 1995:809350 CAPLUS  
 DN 123:260401  
 TI Calculation of partial specific volumes of detergents and lipids  
 AU Durchschlag, Helmut; Zipper, Peter  
 CS Institute of Biophysics and Physical Biochemistry, University of  
 Regensburg, Regensburg, D-93040, Germany  
 SO Comunicaciones presentadas a las Jornadas del Comité Español de la  
 Detergencia ( \*\*\*1995\*\*\* ), 26, 275-92  
 CODEN: CJCDD7; ISSN: 0212-7466  
 PB Comité Español de la Detergencia, Tensioactivos y Afines  
 DT Journal  
 LA English

L15 ANSWER 82 OF 177 CAPLUS COPYRIGHT 2005 ACS on STN  
 AN 1995:801572 CAPLUS  
 DN 123:192340  
 TI Detection of telomerase in cells using two reaction protocol involving  
 telomerase substrate and primer extension steps  
 IN Harley, Calvin Bruce; Kim, Nam Woo; Weinrich, Scott Lawrence  
 PA Geron Corp., USA  
 SO PCT Int. Appl., 67 pp.  
 CODEN: PIXXD2

DT Patent  
 LA English

FAN.CNT 21

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9513381	A1	19950518	WO 1994-US12951	19941110 <--
	W: AU, CA, JP				
	RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
	US 5645986	A	19970708	US 1993-153051	19931112 <--
	US 5830644	A	19981103	US 1993-151477	19931112 <--
	US 5989807	A	19991123	US 1994-255774	19940607 <--
	US 5629154	A	19970513	US 1994-315214	19940928 <--
	AU 9512090	A1	19950529	AU 1995-12090	19941110 <--
	AU 682082	B2	19970918		
	EP 728207	A1	19960828	EP 1995-903110	19941110 <--
	EP 728207	B1	20000531		
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, MC, NL, PT, SE				
	JP 09502102	T2	19970304	JP 1994-513997	19941110 <--
	JP 2875394	B2	19990331		
	AT 193554	E	20000615	AT 1995-903110	19941110 <--
	HK 1011384	A1	20010223	HK 1998-112561	19981130
	GR 3034249	T3	20001229	GR 2000-401936	20000823 <--
PRAI	US 1993-151477	A	19931112		
	US 1993-153051	A	19931112		
	US 1994-255774	A	19940607		
	US 1994-315214	A	19940928		
	US 1992-882438	B2	19920513		
	US 1993-38766	A2	19930324		
	US 1993-60952	A2	19930513		
	WO 1994-US12951	W	19941110		

L15 ANSWER 83 OF 177 CAPLUS COPYRIGHT 2005 ACS on STN  
 AN 1995:771955 CAPLUS  
 DN 123:237284  
 TI Trial of online determination of heavy metals in seawater by IC-ICP-MS  
 AU Tao, Hiroaki; Quetel, Christophe; Hu, Wenzhi; Tominaga, Mamoru; Miyazaki,

CS National Inst. for Resources and Environment, Tsukuba, 305, Japan  
 SO Kankyo Kagaku ( \*\*\*1995\*\*\* ), 5(2), 360-1  
 CODEN: KKAGEY; ISSN: 0917-2408  
 PB Kankyo Kagaku Kenkyukai  
 DT Journal  
 LA Japanese

L15 ANSWER 84 OF 177 CAPLUS COPYRIGHT 2005 ACS on STN  
 AN 1995:726781 CAPLUS  
 DN 123:192950  
 TI Differential solubilization of lipids along with membrane proteins by  
 different classes of detergents  
 AU Banerjee, Probal; Joo, J. B.; Buse, John T.; Dawson, Glyn  
 CS Department of Chemistry and CSI/IBR Center for Developmental Neuroscience,  
 The City University of New York, The College of Staten Island, Staten  
 Island, NY, 10314, USA  
 SO Chemistry and Physics of Lipids ( \*\*\*1995\*\*\* ), 77(1), 65-77  
 CODEN: CPLIA4; ISSN: 0009-3084  
 PB Elsevier  
 DT Journal  
 LA English

L15 ANSWER 85 OF 177 CAPLUS COPYRIGHT 2005 ACS on STN  
 AN 1995:576707 CAPLUS  
 DN 122:310269  
 TI Chromatographic stationary phase coated with ammonium and sulfonate  
 ions-contg. compound for diagnosis and detection of rheumatoid  
 arthritis-specific component in urine  
 IN Ko, Fumiji  
 PA Inoe, Soichi, Japan  
 SO Jpn. Kokai Tokkyo Koho, 6 pp.  
 CODEN: JKXXAF  
 DT Patent  
 LA Japanese  
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 07072133	A2	19950317	JP 1993-103626	19930405 <--
	JP 3319812	B2	20020903		
	US 5484733	A	19960116	US 1993-108289	19930819 <--
PRAI	JP 1993-103626	A	19930405		

L15 ANSWER 86 OF 177 CAPLUS COPYRIGHT 2005 ACS on STN  
 AN 1995:576706 CAPLUS  
 DN 122:310268  
 TI Chromatographic method and device for diagnosis of diabetes mellitus  
 IN Ko, Fumiji  
 PA Inoe, Soichi, Japan  
 SO Jpn. Kokai Tokkyo Koho, 6 pp.  
 CODEN: JKXXAF  
 DT Patent  
 LA Japanese  
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 07072132	A2	19950317	JP 1992-290740	19921005 <--
	JP 3279362	B2	20020430		
	US 5500374	A	19960319	US 1993-107122	19930817 <--
PRAI	JP 1992-290740	A	19921005		

L15 ANSWER 87 OF 177 CAPLUS COPYRIGHT 2005 ACS on STN  
 AN 1995:520185 CAPLUS  
 DN 122:258084  
 TI Comparison of three in vitro cytotoxicity assays for estimating surfactant  
 ocular irritation  
 AU Vian, L.; Vincent, J.; Maurin, J.; Fabre, I.; Giroux, J.; Cano, J. P.  
 CS Agence Medicament, Montpellier, 34000, Fr.  
 SO Toxicology in Vitro ( \*\*\*1995\*\*\* ), 9(2), 185-90

PB Elsevier  
DT Journal  
LA English

L15 ANSWER 88 OF 177 CAPLUS COPYRIGHT 2005 ACS on STN

AN 1995:433873 CAPLUS

DN 122:182461

TI Reconstitution of Membrane Proteins into Lipid-Rich Bilayered Mixed Micelles for NMR Studies

AU Sanders, Charles R., II; Landis, Geoffrey C.

CS Department of Physiology and Biophysics, Case Western Reserve University, Cleveland, OH, 44107-4970, USA

SO Biochemistry ( \*\*\*1995\*\*\* ), 34(12), 4030-40

CODEN: BICHAW; ISSN: 0006-2960

PB American Chemical Society

DT Journal

LA English

L15 ANSWER 89 OF 177 CAPLUS COPYRIGHT 2005 ACS on STN

AN 1995:401219 CAPLUS

DN 122:177437

TI Multifunctional static ion chromatographic separation using zwitter stationary phases

IN Ko, Fumiji

PA Inoe, Soichi, Japan

SO Jpn. Kokai Tokkyo Koho, 19 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 06229994	A2	19940819	JP 1993-103625	19930405 <--
	JP 3351572	B2	20021125		
	US 5589069	A	19961231	US 1996-661892	19960612 <--
PRAI	JP 1992-290739	A	19921005		
	JP 1993-103625	A	19930405		
	US 1993-107608	B1	19930818		

L15 ANSWER 90 OF 177 CAPLUS COPYRIGHT 2005 ACS on STN

AN 1995:391629 CAPLUS

DN 122:151492

TI Purification of the porcine brain PACAP-1 receptor by directed ligand affinity chromatography

AU Schaefer, Heiner; Walli, Ravi; Schmidt, Wolfgang E.

CS I. Department Medicine, Christian-Albrechts-University Kiel, Kiel, D-24105, Germany

SO Int. Symp. Vasoact. Intest. Pept., Pituitary Adenylate Cyclase Act.

Polypept. Relat. Regul. Pept. ( \*\*\*1994\*\*\* ), Meeting Date 1993, 152-61.

Editor(s): Rosselin, Gabriel. Publisher: World Sci., Singapore, Singapore.

CODEN: 60VDAM

DT Conference

LA English

L15 ANSWER 91 OF 177 CAPLUS COPYRIGHT 2005 ACS on STN

AN 1995:263963 CAPLUS

DN 122:47403

TI Solubilization of binding sites for IAPP and CGRP from rat lung

AU Bhogal, Ranjev; Smith, David M.; Bloom, Stephen R.

CS Royal Postgraduate Med. Sch., Hammersmith Hosp., London, W12 0NN, UK

SO Peptides (Tarrytown, New York) ( \*\*\*1994\*\*\* ), 15(8), 1383-90

CODEN: PPTDD5; ISSN: 0196-9781

PB Elsevier

DT Journal

LA English

L15 ANSWER 92 OF 177 CAPLUS COPYRIGHT 2005 ACS on STN

AN 1995:169405 CAPLUS



TI Additives for enhancing chemiluminescent assays using 1,2-dioxetanes as substrates  
 IN Bronstein, Irena Y.; Edwards, Brooks; Voyta, John C.  
 PA Tropix, Inc., USA  
 SO PCT Int. Appl., 61 pp.  
 CODEN: PIXXD2  
 DT Patent  
 LA English  
 FAN.CNT 17

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9421821	A1	19940929	WO 1994-US2549	19940315 <--
	W: AU, BB, BG, BR, BY, CA, CN, CZ, FI, GE, HU, JP, KG, KP, KR, KZ, LK, LV, MD, MG, MN, MW, NO, NZ, PL, RO, RU, SD, SK, TJ, TT, UA, UZ, VN				
	RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
	ES 2131529	T3	19990801	ES 1992-915721	19920305 <--
	US 5547836	A	19960820	US 1993-31471	19930315 <--
	CA 2157917	AA	19940929	CA 1994-2157917	19940315 <--
	AU 9464449	A1	19941011	AU 1994-64449	19940315 <--
	EP 689611	A1	19960103	EP 1994-912204	19940315 <--
	EP 689611	B1	20020130		
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, MC, NL, PT, SE				
	JP 08507694	T2	19960820	JP 1994-521100	19940315 <--
	AT 212722	E	20020215	AT 1994-912204	19940315
	US 5856522	A	19990105	US 1997-882330	19970625 <--
PRAI	US 1993-31471	A	19930315		
	US 1990-574786	A3	19900830		
	US 1991-806928	A2	19911212		
	EP 1992-915721	A	19920305		
	US 1992-959531	A2	19921013		
	WO 1994-US2549	W	19940315		
	US 1995-433996	A1	19950504		
OS	MARPAT 122:260545				

L15 ANSWER 93 OF 177 CAPLUS COPYRIGHT 2005 ACS on STN

AN 1994:650662 CAPLUS

DN 121:250662

TI Process for the purification and refolding of human respiratory syncytial virus FG glycoprotein

IN Garlick, Robert L.; Lyle, Stephen B.; Wathen, Michael; Wells, Peter A.

PA Upjohn Co., USA

SO PCT Int. Appl., 16 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9415968	A1	19940721	WO 1993-US12373	19931229 <--
	W: AT, AU, BB, BG, BR, BY, CA, CH, CZ, DE, DK, ES, FI, GB, HU, JP, KP, KR, KZ, LK, LU, LV, MG, MN, MW, NL, NO, NZ, PL, PT, RO, RU, SD, SE, SK, UA, US, UZ, VN				
	RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
	CA 2151597	AA	19940721	CA 1993-2151597	19931229 <--
	AU 9459552	A1	19940815	AU 1994-59552	19931229 <--
	EP 678102	A1	19951025	EP 1994-905438	19931229 <--
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, MC, NL, PT, SE				
PRAI	US 1993-1874	A1	19930108		
	WO 1993-US12373	W	19931229		

L15 ANSWER 94 OF 177 CAPLUS COPYRIGHT 2005 ACS on STN

AN 1994:645240 CAPLUS

DN 121:245240

TI Effect of various detergents on the interaction between BK virus and susceptible cells

CS Istituto Pasteur, Fondazione Cenci Bolognetti, Universita di Roma "La  
Sapienza", Rome, Italy  
SO Microbiologica ( \*\*\*1994\*\*\* ), 17(3), 187-93  
CODEN: MIBLDR; ISSN: 0391-5352  
DT Journal  
LA English

L15 ANSWER 95 OF 177 CAPLUS COPYRIGHT 2005 ACS on STN  
AN 1994:644503 CAPLUS  
DN 121:244503  
TI New pseudostationary phases for electrokinetic chromatography: a  
high-molecular surfactant and proteins  
AU Terabe, Shigeru; Ozaki, Hiroto; Tanaka, Yoshihide  
CS Fac. Sci., Himeji Inst. Technol., Kamigori, 678-12, Japan  
SO Journal of the Chinese Chemical Society (Taipei, Taiwan) ( \*\*\*1994\*\*\* ),  
41(3), 251-7  
CODEN: JCCTAC; ISSN: 0009-4536  
DT Journal  
LA English

L15 ANSWER 96 OF 177 CAPLUS COPYRIGHT 2005 ACS on STN  
AN 1994:596096 CAPLUS  
DN 121:196096  
TI Purification of the PACAP-1 receptor by ligand affinity chromatography  
AU Schaefer, H.; Walli, R.; Morys-Wortmann, C.; Paetzold, G.; Schmidt, W. E.  
CS I. Med. Klin., Christian-Albrechts-Univ., Kiel, D-24105, Germany  
SO Zeitschrift fuer Gastroenterologie ( \*\*\*1994\*\*\* ), 32(4), 208-12  
CODEN: ZGASAX; ISSN: 0044-2771  
DT Journal  
LA English

L15 ANSWER 97 OF 177 CAPLUS COPYRIGHT 2005 ACS on STN  
AN 1994:574595 CAPLUS  
DN 121:174595  
TI Screening and optimization strategies for macromolecular crystal growth  
AU Cudney, Bob; Patel, Sam; Weisgraber, Karl; Newhouse, Yvonne; McPherson,  
Alexander  
CS Dep. Biochem., Univ. California, Riverside, CA, 92521, USA  
SO Acta Crystallographica, Section D: Biological Crystallography ( \*\*\*1994\*\*\* ), D50(4), 414-23  
CODEN: ABCRE6; ISSN: 0907-4449  
DT Journal  
LA English

L15 ANSWER 98 OF 177 CAPLUS COPYRIGHT 2005 ACS on STN  
AN 1994:551689 CAPLUS  
DN 121:151689  
TI An NMR study of pyridine associated with DMPC liposomes and magnetically  
ordered DMPC-surfactant mixed micelles  
AU Henderson, Janet M.; Iannucci, Robert M.; Petersheim, Matthew  
CS Chemistry Department, Seton Hall University, South Orange, NJ, 07079, USA  
SO Biophysical Journal ( \*\*\*1994\*\*\* ), 67(1), 238-49  
CODEN: BIOJAU; ISSN: 0006-3495  
DT Journal  
LA English

L15 ANSWER 99 OF 177 CAPLUS COPYRIGHT 2005 ACS on STN  
AN 1994:418159 CAPLUS  
DN 121:18159  
TI Optical resolution by electrokinetic chromatography using ovomucoid and  
avidin  
AU Tanaka, Yoshihide; Terabe, Shigeru  
CS Dep. Anal. Chem., Nippon Boehringer Ingelheim Co., Ltd., Japan  
SO Kuromatogurafi ( \*\*\*1993\*\*\* ), 14(5), 104-5  
CODEN: KUROE9; ISSN: 0917-3048  
DT Journal  
LA Japanese

AN 1994:318694 CAPLUS  
 DN 120:318694  
 TI The effect of toilet cleaning products and detergents on the fecal occult blood test using antibody to human hemoglobin  
 AU Imafuku, Yuji; Abe, Tsugio; Nagai, Tosihiko; Miura, Yutaka; Yoshida, Hiroshi; Yoshida, Satoshi  
 CS Hosp., Fukushima Med. Coll., Fukushima, 960-12, Japan  
 SO Igaku no Ayumi ( \*\*\*1994\*\*\* ), 168(11), 1045-6  
 CODEN: IGAYAY; ISSN: 0039-2359  
 DT Journal  
 LA Japanese

L15 ANSWER 101 OF 177 CAPLUS COPYRIGHT 2005 ACS on STN  
 AN 1994:157792 CAPLUS  
 DN 120:157792  
 TI Simultaneous determination of organic and inorganic ultraviolet-absorbing compounds in human saliva by electrostatic ion chromatography  
 AU Hu, Wenzhi; Haraguchi, Hiroki  
 CS Department of Applied Chemistry, School of Engineering, Nagoya University, Furo-cho, Chikusa-ku, Nagoya, 464-01, Japan  
 SO Analytica Chimica Acta ( \*\*\*1994\*\*\* ), 285(3), 335-41  
 CODEN: ACACAM; ISSN: 0003-2670  
 DT Journal  
 LA English

L15 ANSWER 102 OF 177 CAPLUS COPYRIGHT 2005 ACS on STN  
 AN 1994:38052 CAPLUS  
 DN 120:38052  
 TI Preparation of drug-carrier emulsions stabilized with phosphatidylcholine-surfactant mixtures  
 AU Lundberg, Bo  
 CS Dep. Biochem. Pharm., Abo Akad. Univ., Abo, 20521, Finland  
 SO Journal of Pharmaceutical Sciences ( \*\*\*1994\*\*\* ), 83(1), 72-5  
 CODEN: JPMSAE; ISSN: 0022-3549  
 DT Journal  
 LA English

L15 ANSWER 103 OF 177 CAPLUS COPYRIGHT 2005 ACS on STN  
 AN 1994:25914 CAPLUS  
 DN 120:25914  
 TI Structure and dynamics of the sialic acid moiety of GM3-ganglioside at the surface of a magnetically oriented membrane  
 AU Aubin, Yves; Ito, Yukishige; Paulson, James C.; Prestegard, James H.  
 CS Dep. Chem., Yale Univ., New Haven, CT, 06511, USA  
 SO Biochemistry ( \*\*\*1993\*\*\* ), 32(49), 13405-13  
 CODEN: BICHAW; ISSN: 0006-2960  
 DT Journal  
 LA English

L15 ANSWER 104 OF 177 CAPLUS COPYRIGHT 2005 ACS on STN  
 AN 1993:641596 CAPLUS  
 DN 119:241596  
 TI Effects of steroid hormones on change in [Ca<sup>2+</sup>] following oxytocin stimulation in cultured human myometrial cells, and on myometrial oxytocin receptor  
 AU Fujii, Eriko; Oku, Masataka; Adachi, Satoru; Otsuki, Tomoko; Ichijo, Motohiko; Morimoto, Keiko  
 CS Dep. Obstet. Gynecol., Med. Coll. Nara, Nova, Japan  
 SO Nippon Sanka Fujinka Gakkai Zasshi ( \*\*\*1993\*\*\* ), 45(7), 636-42  
 CODEN: NISFAY; ISSN: 0300-9165  
 DT Journal  
 LA Japanese

L15 ANSWER 105 OF 177 CAPLUS COPYRIGHT 2005 ACS on STN  
 AN 1993:443944 CAPLUS  
 DN 119:43944  
 TI Purification and properties of an extracellular lipase from *Pythium ultimum*

CS Bep. Bot. Microbiol., Auburn Univ., Auburn, AL, 36849, USA  
SO Lipids ( \*\*\*1993\*\*\* ), 28(5), 377-82  
CODEN: LPDSAP; ISSN: 0024-4201  
DT Journal  
LA English

L15 ANSWER 106 OF 177 CAPLUS COPYRIGHT 2005 ACS on STN  
AN 1993:404261 CAPLUS  
DN 119:4261  
TI Orientational behavior of phosphatidylcholine bilayers in the presence of  
aromatic amphiphiles and a magnetic field  
AU Sanders, Charles R., II; Schaff, Jason E.; Prestegard, James H.  
CS Dep. Chem., Yale Univ., New Haven, CT, 06511, USA  
SO Biophysical Journal ( \*\*\*1993\*\*\* ), 64(4), 1069-80  
CODEN: BIOJAU; ISSN: 0006-3495  
DT Journal  
LA English

L15 ANSWER 107 OF 177 CAPLUS COPYRIGHT 2005 ACS on STN  
AN 1993:187363 CAPLUS  
DN 118:187363  
TI Process for lysing liposome membrane, and use for immunoassay  
IN Fujita, Minoru; Kida, Masaaki  
PA Wako Pure Chemical Industries, Ltd., Japan  
SO Eur. Pat. Appl., 27 pp.  
CODEN: EPXXDW

DT Patent  
LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 524788	A1	19930127	EP 1992-306616	19920720 <--
	EP 524788	B1	19970212		
	R: BE, CH, DE, ES, FR, GB, IT, LI, NL				
	CA 2074151	AA	19930124	CA 1992-2074151	19920717 <--
	JP 05273213	A2	19931022	JP 1992-217272	19920723 <--
	JP 3239456	B2	20011217		
	US 5501953	A	19960326	US 1994-203488	19940228 <--
PRAI	JP 1991-206571	A	19910723		
	US 1992-914136	B1	19920717		

L15 ANSWER 108 OF 177 CAPLUS COPYRIGHT 2005 ACS on STN  
AN 1993:164692 CAPLUS  
DN 118:164692  
TI Crystallization of the B800-820 light-harvesting complex from  
Rhodopseudomonas acidophila strain 7750  
AU Guthrie, N.; McDermott, G.; Cogdell, R. J.; Freer, A. A.; Isaacs, N. W.;  
Hawthornthwaite, A. M.; Halloren, E.; Lindsay, J. G.  
CS Dep. Chem., Univ. Glasgow, Glasgow, G12 8QQ, UK  
SO Biochemical Society Transactions ( \*\*\*1993\*\*\* ), 21(1), 4S  
CODEN: BCSTB5; ISSN: 0300-5127  
DT Journal  
LA English

L15 ANSWER 109 OF 177 CAPLUS COPYRIGHT 2005 ACS on STN  
AN 1993:163636 CAPLUS  
DN 118:163636  
TI Structure and dynamics of sialic acid at the surface of a magnetically  
oriented membrane system  
AU Aubin, Yves; Prestegard, James H.  
CS Dep. Chem., Yale Univ., New Haven, CT, 06511, USA  
SO Biochemistry ( \*\*\*1993\*\*\* ), 32(13), 3422-8  
CODEN: BICHAW; ISSN: 0006-2960  
DT Journal  
LA English

L15 ANSWER 110 OF 177 CAPLUS COPYRIGHT 2005 ACS on STN  
AN 1993:142898 CAPLUS

TI Studies towards the crystallization of the rod visual pigment rhodopsin  
AU De Grip, W. J.; Van Oostrum, J.; De Caluwe, G. L. J.  
CS Med. Fac., Univ. Nijmegen, Nijmegen, 6500 HB, Neth.  
SO Journal of Crystal Growth ( \*\*\*1992\*\*\* ), 122(1-4), 375-84  
CODEN: JCRGAE; ISSN: 0022-0248  
DT Journal  
LA English

L15 ANSWER 111 OF 177 CAPLUS COPYRIGHT 2005 ACS on STN  
AN 1993:97388 CAPLUS  
DN 118:97388

TI Solid state carbon-13 NMR of unlabeled phosphatidylcholine bilayers:  
Spectral assignments and measurement of carbon-phosphorus dipolar  
couplings and carbon-13 chemical shift anisotropies  
AU Sanders, Charles R., II  
CS Sch. Med., Case West. Reserve Univ., Cleveland, OH, 44106, USA  
SO Biophysical Journal ( \*\*\*1993\*\*\* ), 64(1), 171-81  
CODEN: BIOJAU; ISSN: 0006-3495  
DT Journal  
LA English

L15 ANSWER 112 OF 177 CAPLUS COPYRIGHT 2005 ACS on STN  
AN 1992:645077 CAPLUS  
DN 117:245077

TI Reversal of multidrug resistance by surfactants  
AU Woodcock, D. M.; Linsenmeyer, M. E.; Chojnowski, G.; Kriegler, A. B.;  
Nink, V.; Webster, L. K.; Sawyer, W. H.  
CS Peter MacCallum Cancer Inst., Melbourne, 3000, Australia  
SO British Journal of Cancer ( \*\*\*1992\*\*\* ), 66(1), 62-8  
CODEN: BJCAAI; ISSN: 0007-0920  
DT Journal  
LA English

L15 ANSWER 113 OF 177 CAPLUS COPYRIGHT 2005 ACS on STN  
AN 1992:486166 CAPLUS  
DN 117:86166

TI Quantitative PAS assay of some carbohydrate compounds and detergents  
AU Kirkeby, Svend; Moe, Dennis; Boeg-Hansen, Thorkild; Garbarsch, Charly;  
Matthiessen, Martin E.  
CS Health Sci. Fac., Univ. Copenhagen, Copenhagen, Den.  
SO Journal of Biochemical and Biophysical Methods ( \*\*\*1992\*\*\* ), 24(3-4),  
225-38  
CODEN: JBBMDG; ISSN: 0165-022X  
DT Journal  
LA English

L15 ANSWER 114 OF 177 CAPLUS COPYRIGHT 2005 ACS on STN  
AN 1992:476339 CAPLUS  
DN 117:76339

TI The influence of detergents on skin barrier properties  
AU Priborsky, Jan; Takayama, Kozo; Priborska, Zuzana; Muhlbachova, Elfa;  
Nagai, Tsuneji  
CS Dep. Pharm., Hoshi Univ., Tokyo, Japan  
SO Pharmacology & Toxicology (Oxford, United Kingdom) ( \*\*\*1992\*\*\* ), 70(5,  
Pt. 1), 344-6  
CODEN: PHTOEH; ISSN: 0901-9928  
DT Journal  
LA English

L15 ANSWER 115 OF 177 CAPLUS COPYRIGHT 2005 ACS on STN  
AN 1992:442909 CAPLUS  
DN 117:42909

TI Quantum yield of \*\*\*CHAPSO\*\*\* -solubilized rhodopsin and 3-hydroxy  
retinal containing bovine opsin  
AU Gaertner, W.; Ullrich, D.; Vogt, K.  
CS Inst. Biol. I, Univ. Freiburg, Freiburg, D-7800, Germany  
SO Photochemistry and Photobiology ( \*\*\*1991\*\*\* ), 54(6), 1047-55  
CODEN: PHCBAP; ISSN: 0031-8655

LA English

L15 ANSWER 116 OF 177 CAPLUS COPYRIGHT 2005 ACS on STN  
 AN 1992:122717 CAPLUS  
 DN 116:122717  
 TI Predicting ocular irritancy and recovery from injury using Madin-Darby canine kidney cells  
 AU Shaw, A. J.; Balls, M.; Clothier, R. H.; Bateman, N. D.  
 CS Med. Sch., Univ. Nottingham, Nottingham, NG7 2UH, UK  
 SO Toxicology in Vitro ( \*\*\*1991\*\*\* ), 5(5-6), 569-71  
 CODEN: TIVIEQ; ISSN: 0887-2333  
 DT Journal  
 LA English

L15 ANSWER 117 OF 177 CAPLUS COPYRIGHT 2005 ACS on STN  
 AN 1991:554488 CAPLUS  
 DN 115:154488  
 TI Diagnosis of cancerous or precancerous conditions in human secretory epithelia by enzyme activity of .beta.1-3N-acetylglucosaminyltransferase  
 IN Holmes, Eric H.  
 PA Pacific Northwest Research Foundation, USA  
 SO U.S., 31 pp.  
 CODEN: USXXAM  
 DT Patent  
 LA English  
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE	
PI	US 4971905	A	19901120	US 1987-84302	19870811	<--
	US 5403717	A	19950404	US 1992-989495	19921210	<--
PRAI	US 1987-84302	A2	19870811			
	US 1990-508693	B1	19900409			

L15 ANSWER 118 OF 177 CAPLUS COPYRIGHT 2005 ACS on STN  
 AN 1991:553353 CAPLUS  
 DN 115:153353  
 TI Effects of Asp-96 .fwdarw. Asn, Asp-85 .fwdarw. Asn, and Arg-82 .fwdarw. Gln single-site substitutions on the photocycle of bacteriorhodopsin  
 AU Thorgeirsson, Thorgeir E.; Milder, Steven J.; Miercke, Larry J. W.; Betlach, Mary C.; Shand, Richard F.; Stroud, Robert M.; Kliger, David S.  
 CS Dep. Chem. Biochem., Univ. California, Santa Cruz, CA, 95064, USA  
 SO Biochemistry ( \*\*\*1991\*\*\* ), 30(38), 9133-42  
 CODEN: BICHAW; ISSN: 0006-2960  
 DT Journal  
 LA English

L15 ANSWER 119 OF 177 CAPLUS COPYRIGHT 2005 ACS on STN  
 AN 1991:512653 CAPLUS  
 DN 115:112653  
 TI Selective modification of the catalytic subunit of pertussis toxin  
 IN Kaslow, Harvey R.  
 PA USA  
 SO U.S., 10 pp.  
 CODEN: USXXAM  
 DT Patent  
 LA English  
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE	
PI	US 5032398	A	19910716	US 1986-893080	19860801	<--
	US 5165927	A	19921124	US 1991-682773	19910409	<--
PRAI	US 1986-893080	A1	19860801			

L15 ANSWER 120 OF 177 CAPLUS COPYRIGHT 2005 ACS on STN  
 AN 1991:442554 CAPLUS  
 DN 115:42554  
 TI Modulation of the structure-binding relationships of antagonists for muscarinic acetylcholine receptor subtypes

Birdsall, Nigel J. M.  
 CS Div. Phys. Biochem., Natl. Inst. Med. Res., London, NW7 1AA, UK  
 SO British Journal of Pharmacology ( \*\*\*1991\*\*\* ), 103(2), 1561-7  
 CODEN: BJPCBM; ISSN: 0007-1188  
 DT Journal  
 LA English

L15 ANSWER 121 OF 177 CAPLUS COPYRIGHT 2005 ACS on STN  
 AN 1991:162296 CAPLUS  
 DN 114:162296  
 TI Antigen extraction procedure using zwitterionic surface active agent  
 IN Davidson, Ian William; Sheard, Paul  
 PA Unilever PLC, UK; Unilever N. V.  
 SO PCT Int. Appl., 13 pp.  
 CODEN: PIXXD2  
 DT Patent  
 LA English  
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9013032	A1	19901101	WO 1990-GB568	19900412 <--
	W: AU, JP, US				
	EP 392865	A1	19901017	EP 1990-304029	19900412 <--
	EP 392865	B1	19940713		
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, NL, SE				
	AU 9054372	A1	19901116	AU 1990-54372	19900412 <--
	AU 638453	B2	19930701		
	JP 03505132	T2	19911107	JP 1990-506019	19900412 <--
	JP 2516841	B2	19960724		
	ES 2056378	T3	19941001	ES 1990-304029	19900412 <--
	US 5387511	A	19950207	US 1992-911378	19920713 <--
PRAI	GB 1989-8548	A	19890414		
	GB 1990-4845	A	19900305		
	WO 1990-GB568	A	19900412		
	US 1990-623971	B1	19901213		

L15 ANSWER 122 OF 177 CAPLUS COPYRIGHT 2005 ACS on STN  
 AN 1991:129089 CAPLUS  
 DN 114:129089  
 TI CHAPS and \*\*\*CHAPSO\*\*\* as dispersants for biologically active polypeptides  
 IN Matuo, Yuhsy; Nishi, Nozomu; Wada, Fumio; Takagahara, Isamu  
 PA Oriental Yeast Co., Ltd., Japan  
 SO Eur. Pat. Appl., 16 pp.  
 CODEN: EPXXDW  
 DT Patent  
 LA English  
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 382875	A1	19900822	EP 1989-102769	19890217 <--
	R: DE, FR, GB, IT				
PRAI	EP 1989-102769		19890217		

L15 ANSWER 123 OF 177 CAPLUS COPYRIGHT 2005 ACS on STN  
 AN 1991:99808 CAPLUS  
 DN 114:99808  
 TI Immunorecognition in the freshwater bivalve, Corbicula fluminea I. Electrophoretic and immunologic analyses of opsonic plasma components  
 AU Yang, Rong; Yoshino, Timothy P.  
 CS Dep. Zool., Univ. Oklahoma, Norman, OK, 73019, USA  
 SO Developmental & Comparative Immunology ( \*\*\*1990\*\*\* ), 14(4), 385-95  
 CODEN: DCIMDQ; ISSN: 0145-305X  
 DT Journal  
 LA English

L15 ANSWER 124 OF 177 CAPLUS COPYRIGHT 2005 ACS on STN  
 AN 1990:568342 CAPLUS

TI Magnetically orientable phospholipid bilayers containing small amounts of  
a bile salt analog, \*\*\*CHAPSO\*\*\*  
AU Sanders, Charles R., II; Prestegard, James H.  
CS Dep. Chem., Yale Univ., New Haven, CT, 06511, USA  
SO Biophysical Journal ( \*\*\*1990\*\*\* ), 58(2), 447-60  
CODEN: BIOJAU; ISSN: 0006-3495  
DT Journal  
LA English

L15 ANSWER 125 OF 177 CAPLUS COPYRIGHT 2005 ACS on STN

AN 1990:212655 CAPLUS

DN 112:212655

TI High resolution carbon-13-solid state NMR of bacteriorhodopsin:  
assignment of specific aspartic acids and structural implications of  
single site mutations

AU Engelhard, M.; Hess, B.; Metz, G.; Kreutz, W.; Siebert, F.; Soppa, J.;  
Oesterhelt, D.

CS Max-Planck-Inst. Ernaehrungsphysiol., Dortmund, D-4600, Germany

SO European Biophysics Journal ( \*\*\*1990\*\*\* ), 18(1), 17-24

CODEN: EBJOE8; ISSN: 0175-7571

DT Journal

LA English

L15 ANSWER 126 OF 177 CAPLUS COPYRIGHT 2005 ACS on STN

AN 1990:134935 CAPLUS

DN 112:134935

TI Comparative studies on mannosylphosphoryl dolichol and glucosylphosphoryl  
dolichol synthases

AU Clarke, Benjamin L.; Naylor, Christopher; Lennarz, William J.

CS Dep. Physiol. Biophys., Univ. Alabama, Birmingham, AL, 35294, USA

SO Chemistry and Physics of Lipids ( \*\*\*1989\*\*\* ), 51(3-4), 239-47

CODEN: CPLIA4; ISSN: 0009-3084

DT Journal

LA English

L15 ANSWER 127 OF 177 CAPLUS COPYRIGHT 2005 ACS on STN

AN 1990:134545 CAPLUS

DN 112:134545

TI Detergents

AU Fujita, Michiya

CS Hamamatsu Med. Coll., Hamamatsu, Japan

SO Seitai no Kagaku ( \*\*\*1989\*\*\* ), 40(4), 263-5

CODEN: SEKAA6; ISSN: 0370-9531

DT Journal; General Review

LA Japanese

L15 ANSWER 128 OF 177 CAPLUS COPYRIGHT 2005 ACS on STN

AN 1990:73136 CAPLUS

DN 112:73136

TI Preparative purification of functional bacteriorhodopsin by  
high-performance size-exclusion chromatography

AU Miercke, Larry J. W.; Stroud, Robert M.; Dratz, Edward A.

CS Dep. Biochem. Biophys., Univ. California, San Francisco, CA, 94143-0448,  
USA

SO Journal of Chromatography ( \*\*\*1989\*\*\* ), 483, 331-40

CODEN: JOCRAM; ISSN: 0021-9673

DT Journal

LA English

L15 ANSWER 129 OF 177 CAPLUS COPYRIGHT 2005 ACS on STN

AN 1990:51077 CAPLUS

DN 112:51077

TI Differential susceptibility to biological detergents of the particulate  
cGMP-stimulated phosphodiesterase from rat heart: preservation of the  
allosteric properties of the solubilized enzyme

AU Timouyasse, L.; Prigent, A. F.; Nemoz, G.; Lagarde, M.; Pacheco, H.

CS Lab. Chim. Biol., Inst. Natl. Sci. Appl. Lyon, Villeurbanne, 69621, Fr.

SO Biochemistry International ( \*\*\*1989\*\*\* ), 19(2), 287-99



DT Journal  
LA English

L15 ANSWER 130 OF 177 CAPLUS COPYRIGHT 2005 ACS on STN  
AN 1990:20247 CAPLUS  
DN 112:20247  
TI Characterization of 19-nor-10-oxo-25-hydroxyvitamin D3 production by  
solubilized chick kidney mitochondria and bovine serum albumin  
AU Tran, Johan M.; Henry, Helen L.  
CS Dep. Biochem., Univ. California, Riverside, CA, 92521, USA  
SO Journal of Steroid Biochemistry ( \*\*\*1989\*\*\* ), 33(3), 395-403  
CODEN: JSTBBK; ISSN: 0022-4731  
DT Journal  
LA English

L15 ANSWER 131 OF 177 CAPLUS COPYRIGHT 2005 ACS on STN  
AN 1989:550035 CAPLUS  
DN 111:150035  
TI Stabilization of beta-galactosidase peptide fragments with ionic or  
sugar-derived surfactants  
IN Khanna, Pyare L.; Dworschack, Robert; Ruprecht, Phillip  
PA Microgenics Corp., USA  
SO Eur. Pat. Appl., 15 pp.  
CODEN: EPXXDW  
DT Patent  
LA English  
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
	-----	----	-----	-----	-----
PI	EP 286367	A2	19881012	EP 1988-303042	19880406 <--
	EP 286367	A3	19881221		
	EP 286367	B1	19920708		
	R: AT, BE, CH, DE, ES, FR, GB, GR, IT, LI, LU, NL, SE				
	US 4956274	A	19900911	US 1987-34757	19870406 <--
	AU 8814174	A1	19881006	AU 1988-14174	19880405 <--
	AU 609112	B2	19910426		
	JP 01085081	A2	19890330	JP 1988-82375	19880405 <--
	JP 06009510	B4	19940209		
	CA 1307220	A1	19920908	CA 1988-563310	19880405 <--
	AT 78061	E	19920715	AT 1988-303042	19880406 <--
	ES 2051838	T3	19940701	ES 1988-303042	19880406 <--
PRAI	US 1987-34757	A	19870406		
	EP 1988-303042	A	19880406		

L15 ANSWER 132 OF 177 CAPLUS COPYRIGHT 2005 ACS on STN  
AN 1989:470231 CAPLUS  
DN 111:70231  
TI Use of micelles in studying drug-binding sites: simulation of the  
tubulin-bound fluorescence of colchicine  
AU Shobha, J.; Bhattacharyya, B.; Balasubramanian, D.  
CS Cent. Cell. Mol. Biol., Hyderabad, 500 007, India  
SO Journal of Biochemical and Biophysical Methods ( \*\*\*1989\*\*\* ), 18(4),  
287-95  
CODEN: JBBMDG; ISSN: 0165-022X  
DT Journal  
LA English

L15 ANSWER 133 OF 177 CAPLUS COPYRIGHT 2005 ACS on STN  
AN 1989:227553 CAPLUS  
DN 110:227553  
TI Purification and some characteristics of nitric oxide reductase-containing  
vesicles from Paracoccus denitrificans  
AU Hoglen, James; Hollocher, Thomas C.  
CS Dep. Biochem., Brandeis Univ., Waltham, MA, 02254, USA  
SO Journal of Biological Chemistry ( \*\*\*1989\*\*\* ), 264(13), 7556-63  
CODEN: JBCHA3; ISSN: 0021-9258  
DT Journal  
LA English

L15 ANSWER 134 OF 177 CAPLUS COPYRIGHT 2005 ACS on STN  
 AN 1989:227374 CAPLUS  
 DN 110:227374  
 TI Purification of bacteriorhodopsin and characterization of mature and partially processed forms  
 AU Miercke, Larry J. W.; Ross, Paul E.; Stroud, Robert M.; Dratz, Edward A.  
 CS Dep. Biochem. Biophys., Univ. California, San Francisco, CA, 94143, USA  
 SO Journal of Biological Chemistry ( \*\*\*1989\*\*\* ), 264(13), 7531-5  
 CODEN: JBCHA3; ISSN: 0021-9258  
 DT Journal  
 LA English

L15 ANSWER 135 OF 177 CAPLUS COPYRIGHT 2005 ACS on STN  
 AN 1989:90701 CAPLUS  
 DN 110:90701  
 TI Conversion of 25-hydroxyvitamin D3 to 19-nor-10-oxo-25-hydroxyvitamin D3 by solubilized chick kidney mitochondria and bovine serum albumin  
 AU Tran, J. M.; Henry, H. L.  
 CS Dep. Biochem., Univ. California, Riverside, CA, 92521, USA  
 SO Proceedings of the Workshop on Vitamin D ( \*\*\*1988\*\*\* ), 7th(Vitam. D: Mol., Cell. Clin. Endocrinol.), 120-1  
 CODEN: PWVDDU; ISSN: 0721-7110  
 DT Journal  
 LA English

L15 ANSWER 136 OF 177 CAPLUS COPYRIGHT 2005 ACS on STN  
 AN 1989:72933 CAPLUS  
 DN 110:72933  
 TI Acylation in vitro of the myelin proteolipid protein and comparison with acylation in vivo: acylation of a cysteine occurs nonenzymatically  
 AU Ross, N. W.; Braun, P. E.  
 CS Dep. Biochem., McGill Univ., Montreal, QC, Can.  
 SO Journal of Neuroscience Research ( \*\*\*1988\*\*\* ), 21(1), 35-44  
 CODEN: JNREDK; ISSN: 0360-4012  
 DT Journal  
 LA English

L15 ANSWER 137 OF 177 CAPLUS COPYRIGHT 2005 ACS on STN  
 AN 1989:35580 CAPLUS  
 DN 110:35580  
 TI Isolation and characterization of a dihydropyridine calcium antagonist receptor from rabbit skeletal muscle  
 AU Soldatov, N. M.  
 CS Inst. Biomed. Technol., Moscow, USSR  
 SO Biokhimiya (Moscow) ( \*\*\*1988\*\*\* ), 53(10), 1600-11  
 CODEN: BIOHAO; ISSN: 0320-9725  
 DT Journal  
 LA Russian

L15 ANSWER 138 OF 177 CAPLUS COPYRIGHT 2005 ACS on STN  
 AN 1988:202849 CAPLUS  
 DN 108:202849  
 TI Enhanced solubilization of immunoreactive proteins from Brugia malayi adult parasites using cetyltrimethylammonium bromide  
 AU Freedman, D. O.; Nutman, T. B.; Ottesen, E. A.  
 CS Lab. Parasit. Dis., Natl. Inst. Allergy Infect. Dis., Bethesda, MD, 20892, USA  
 SO Experimental Parasitology ( \*\*\*1988\*\*\* ), 65(2), 244-50  
 CODEN: EXPAAA; ISSN: 0014-4894  
 DT Journal  
 LA English

L15 ANSWER 139 OF 177 CAPLUS COPYRIGHT 2005 ACS on STN  
 AN 1988:201950 CAPLUS  
 DN 108:201950  
 TI The properties of a photochemically active complex of photosystem II isolated from spinach leaves, using various detergents  
 AU Moskalenko, A. A.; Kuznetsova, N. Yu.; Erokhin, Yu. E.

SO Biokhimiya (Moscow) ( \*\*\*1988\*\*\* ), 53(3), 424-33  
 CODEN: BIOHAO; ISSN: 0006-307X  
 DT Journal  
 LA Russian

L15 ANSWER 140 OF 177 CAPLUS COPYRIGHT 2005 ACS on STN  
 AN 1988:49773 CAPLUS  
 DN 108:49773  
 TI Solubilization of the muscarinic receptor in \*\*\*CHAPSO\*\*\* : a  
 comparison with the receptor in membranes and in digitonin solution  
 AU Poyner, D.; Pedder, E. K.; Eveleigh, P.; Birdsall, N. J. M.; Hulme, E. C.;  
 Stockton, J. M.; Curtis, C.; Wheatley, M.  
 CS Natl. Inst. Med. Res., London, NW7 1AA, UK  
 SO Protides of the Biological Fluids ( \*\*\*1987\*\*\* ), 35, 181-4  
 CODEN: PBFPA6; ISSN: 0079-7065  
 DT Journal  
 LA English

L15 ANSWER 141 OF 177 CAPLUS COPYRIGHT 2005 ACS on STN  
 AN 1988:27288 CAPLUS  
 DN 108:27288  
 TI Microenvironmental differences among micelles of various shapes and  
 structures  
 AU Shobha, J.; Balasubramanian, D.  
 CS Cent. Cell. Mol. Biol., Hyderabad, 500 007, India  
 SO Proceedings - Indian Academy of Sciences, Chemical Sciences ( \*\*\*1987\*\*\*  
 ), 98(5-6), 469-78  
 CODEN: PIAADM; ISSN: 0253-4134  
 DT Journal  
 LA English

L15 ANSWER 142 OF 177 CAPLUS COPYRIGHT 2005 ACS on STN  
 AN 1987:549983 CAPLUS  
 DN 107:149983  
 TI Renaturation of Leishmania donovani 3'-nucleotidase following sodium  
 dodecyl sulfate-polyacrylamide gel electrophoresis  
 AU Zlotnick, Gary W.; Mackow, Mary C.; Gottlieb, Michael  
 CS Sch. Hyg., Johns Hopkins Univ., Baltimore, MD, 21205, USA  
 SO Comparative Biochemistry and Physiology, Part B: Biochemistry & Molecular  
 Biology ( \*\*\*1987\*\*\* ), 87B(3), 629-35  
 CODEN: CBPBB8; ISSN: 0305-0491  
 DT Journal  
 LA English

L15 ANSWER 143 OF 177 CAPLUS COPYRIGHT 2005 ACS on STN  
 AN 1987:511649 CAPLUS  
 DN 107:111649  
 TI The chemical carcinogen-induced enzyme, GDP-fucose:GM1 .alpha.1 .fwdarw. 2  
 fucosyltransferase in rat liver and hepatoma: modulation by and  
 association with phospholipids  
 AU Holmes, Eric H.; Hakomori, Senitiro  
 CS Pac. Northwest Res. Found., Seattle, WA, 98104, USA  
 SO Journal of Biochemistry (Tokyo, Japan) ( \*\*\*1987\*\*\* ), 101(5), 1095-105  
 CODEN: JOBIAO; ISSN: 0021-924X  
 DT Journal  
 LA English

L15 ANSWER 144 OF 177 CAPLUS COPYRIGHT 2005 ACS on STN  
 AN 1987:493023 CAPLUS  
 DN 107:93023  
 TI Solubilization of a guanine nucleotide-sensitive parathyroid  
 hormone-receptor complex from canine renal cortex  
 AU Nissenson, Robert A.; Mann, Elaina; Winer, Jane; Teitelbaum, Anne; Arnaud,  
 Claude D.  
 CS Veterans Adm. Med. Cent., Univ. California, San Francisco, CA, USA  
 SO Advances in Experimental Medicine and Biology ( \*\*\*1986\*\*\* ),  
 208(Phosphate Miner. Homeostasis), 329-43  
 CODEN: AEMBAP; ISSN: 0065-2598

LA English

L15 ANSWER 145 OF 177 CAPLUS COPYRIGHT 2005 ACS on STN  
 AN 1987:171935 CAPLUS  
 DN 106:171935  
 TI Detergent-assisted refolding of guanidinium chloride-denatured rhodanese. The effects of the concentration and type of detergent  
 AU Tandon, Shobha; Horowitz, Paul M.  
 CS Health Sci. Cent., Univ. Texas, San Antonio, TX, 78284, USA  
 SO Journal of Biological Chemistry ( \*\*\*1987\*\*\* ), 262(10), 4486-91  
 CODEN: JBCHA3; ISSN: 0021-9258  
 DT Journal  
 LA English

L15 ANSWER 146 OF 177 CAPLUS COPYRIGHT 2005 ACS on STN  
 AN 1987:98484 CAPLUS  
 DN 106:98484  
 TI Detergents as probes of reconstituted rat liver cytochrome P-450 function  
 AU Kaminsky, Laurence S.; Dunbar, Deborah; Guengerich, F. Peter; Lee, Jung Ja  
 CS Wadsworth Cent. Lab. Res., New York State Dep. Health, Albany, NY, 12201, USA  
 SO Biochemistry ( \*\*\*1987\*\*\* ), 26(5), 1276-83  
 CODEN: BICHAW; ISSN: 0006-2960  
 DT Journal  
 LA English

L15 ANSWER 147 OF 177 CAPLUS COPYRIGHT 2005 ACS on STN  
 AN 1987:45439 CAPLUS  
 DN 106:45439  
 TI Structure-activity analysis of the activation of pertussis toxin  
 AU Kaslow, Harvey R.; Lim, Lay Kin; Moss, Joel; Lesikar, David D.  
 CS Med. Sch., Univ. South. California, Los Angeles, CA, 90033, USA  
 SO Biochemistry ( \*\*\*1987\*\*\* ), 26(1), 123-7  
 CODEN: BICHAW; ISSN: 0006-2960  
 DT Journal  
 LA English

L15 ANSWER 148 OF 177 CAPLUS COPYRIGHT 2005 ACS on STN  
 AN 1986:565510 CAPLUS  
 DN 105:165510  
 TI Molecular properties of solubilized CCK receptor from guinea pig pancreas  
 AU Zahidi, Ahmed; Fourmy, Daniel; Darbon, Jean Marie; Pradayrol, Lucien; Scemama, Jean Luc; Ribet, Andre  
 CS CHU Rangueil, Toulouse, 31054, Fr.  
 SO Regulatory Peptides ( \*\*\*1986\*\*\* ), 15(1), 25-36  
 CODEN: REPPDY; ISSN: 0167-0115  
 DT Journal  
 LA English

L15 ANSWER 149 OF 177 CAPLUS COPYRIGHT 2005 ACS on STN  
 AN 1986:221122 CAPLUS  
 DN 104:221122  
 TI Assay of mannose-6-phosphatase in untreated and detergent-disrupted rat liver microsomes for assessment of integrity of microsomal preparations  
 AU Vanstapel, Florent; Pua, Kong; Blanckaert, Norbert  
 CS Sch. Med., Univ. California, San Francisco, CA, 94143, USA  
 SO European Journal of Biochemistry ( \*\*\*1986\*\*\* ), 156(1), 73-7  
 CODEN: EJBCAI; ISSN: 0014-2956  
 DT Journal  
 LA English

L15 ANSWER 150 OF 177 CAPLUS COPYRIGHT 2005 ACS on STN  
 AN 1986:219610 CAPLUS  
 DN 104:219610  
 TI Solubilization of striatal D-2 dopamine receptors: evidence that apparent loss during aging is not due to membrane sequestration  
 AU Henry, Jacquelyn M.; Roth, George S.  
 CS Gerontol. Res. Cent., Natl. Inst. Aging, Baltimore, MD, 21224, USA

CODEN: JOGEA3; ISSN: 0022-1422  
DT Journal  
LA English

L15 ANSWER 151 OF 177 CAPLUS COPYRIGHT 2005 ACS on STN  
AN 1986:142629 CAPLUS  
DN 104:142629  
TI Solubilization of a guanine nucleotide-sensitive parathyroid hormone-receptor complex from canine renal cortex  
AU Nissenson, Robert A.; Mann, Elaina; Winer, Jane; Teitelbaum, Anne P.; Arnaud, Claude D.  
CS Dep. Med., Veterans Adm. Med. Cent., San Francisco, CA, 94121, USA  
SO Endocrinology ( \*\*\*1986\*\*\* ), 118(3), 932-9  
CODEN: ENDOAO; ISSN: 0013-7227  
DT Journal  
LA English

L15 ANSWER 152 OF 177 CAPLUS COPYRIGHT 2005 ACS on STN  
AN 1984:566519 CAPLUS  
DN 101:166519  
TI Fractionation of human red cell membrane proteins by ion-exchange chromatography in detergent on Mono Q, with special reference to the glucose transporter  
AU Lundahl, Per; Greijer, Eva; Lindblom, Hans; Faegerstam, Lars G.  
CS Biomed. Cent., Univ. Uppsala, Uppsala, S-751 23, Swed.  
SO Journal of Chromatography ( \*\*\*1984\*\*\* ), 297, 129-37  
CODEN: JOCRAM; ISSN: 0021-9673  
DT Journal  
LA English

L15 ANSWER 153 OF 177 CAPLUS COPYRIGHT 2005 ACS on STN  
AN 1984:544292 CAPLUS  
DN 101:144292  
TI Studies on solubilization and characterization of rat striatal dopamine receptors  
AU Goldstein, Menek; Lew, Jow Y.  
CS Med. Cent., New York Univ., New York, NY, 10016, USA  
SO Neurology and Neurobiology ( \*\*\*1984\*\*\* ), 8A(Catecholamines, Pt. A), 237-42  
CODEN: NEUND9; ISSN: 0736-4563  
DT Journal  
LA English

L15 ANSWER 154 OF 177 CAPLUS COPYRIGHT 2005 ACS on STN  
AN 1984:525648 CAPLUS  
DN 101:125648  
TI Solubilization and reconstitution of a vanadate-sensitive hydrogen ATPase from the plasma membrane of Beta vulgaris  
AU O'Neill, Sharman D.; Spanswick, Roger M.  
CS Div. Biol. Sci., Cornell Univ., Ithaca, NY, 14853, USA  
SO Journal of Membrane Biology ( \*\*\*1984\*\*\* ), 79(3), 231-43  
CODEN: JMBBBO; ISSN: 0022-2631  
DT Journal  
LA English

L15 ANSWER 155 OF 177 CAPLUS COPYRIGHT 2005 ACS on STN  
AN 1984:484442 CAPLUS  
DN 101:84442  
TI Solubilization and characterization of striatal dopamine receptors  
AU Lew, J. Y.; Goldstein, M.  
CS Med. Cent., New York Univ., New York, NY, 10016, USA  
SO Journal of Neurochemistry ( \*\*\*1984\*\*\* ), 42(5), 1298-305  
CODEN: JONRA9; ISSN: 0022-3042  
DT Journal  
LA English

L15 ANSWER 156 OF 177 CAPLUS COPYRIGHT 2005 ACS on STN  
AN 1984:99396 CAPLUS

TI Solubilization of imipramine-binding protein from human blood platelets  
 AU Cesura, Andrea M.; Mueller, Kurt; Peyer, Mark; Pletscher, Alfred  
 CS Dep. Res., Kantonssp., Basel, CH-4031, Switz.  
 SO European Journal of Pharmacology ( \*\*\*1983\*\*\* ), 96(3-4), 235-42  
 CODEN: EJPHAZ; ISSN: 0014-2999  
 DT Journal  
 LA English

L15 ANSWER 157 OF 177 CAPLUS COPYRIGHT 2005 ACS on STN  
 AN 1984:2443 CAPLUS  
 DN 100:2443  
 TI Detergent effects on enzyme activity and solubilization of lipid bilayer membranes  
 AU Womack, Mary D.; Kendall, Debra A.; MacDonald, Robert C.  
 CS Dep. Biochem., Mol. Biol. Cell. Biol., Northwestern Univ., Evanston, IL, 60201, USA  
 SO Biochimica et Biophysica Acta ( \*\*\*1983\*\*\* ), 733(2), 210-15  
 CODEN: BBACQ; ISSN: 0006-3002  
 DT Journal  
 LA English

L15 ANSWER 158 OF 177 CAPLUS COPYRIGHT 2005 ACS on STN  
 AN 1982:538777 CAPLUS  
 DN 97:138777  
 TI Solubilization of active prolactin receptors by a nondenaturing zwitterionic detergent  
 AU Liscia, Daniel S.; Alhadi, Taufiek; Vonderhaar, Barbara K.  
 CS Lab. Pathophysiol., Natl. Cancer Inst., Bethesda, MD, 20205, USA  
 SO Journal of Biological Chemistry ( \*\*\*1982\*\*\* ), 257(16), 9401-5  
 CODEN: JBCHA3; ISSN: 0021-9258  
 DT Journal  
 LA English

L15 ANSWER 159 OF 177 CAPLUS COPYRIGHT 2005 ACS on STN  
 AN 1982:452173 CAPLUS  
 DN 97:52173  
 TI Nondenaturing zwitterionic detergents for membrane biochemistry  
 IN Hjelmeland, Leonard  
 PA United States Dept. of Health and Human Services, USA  
 SO U. S. Pat. Appl., 47 pp. Avail. NTIS Order No. PAT-APPL-6-294 203  
 CODEN: XAXXAV  
 DT Patent  
 LA English  
 FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 294203	A0	19820409	US 1981-294203	19810819 <--
	US 4372888	A	19830208		
	US 181465	A0	19810327	US 1980-181465	19800826 <--
	WO 8300694	A1	19830303	WO 1982-US1123	19820819 <--
	W: JP				
	RW: AT, BE, CH, DE, FR, GB, LU, NL, SE				
	JP 58501279	T2	19830804	JP 1982-502842	19820819 <--
	EP 85717	A1	19830817	EP 1982-902934	19820819 <--
	EP 85717	B1	19861029		
	R: AT, BE, CH, DE, FR, GB, LI, LU, NL, SE				
	CA 1179326	A1	19841211	CA 1982-409779	19820819 <--
	AT 23166	E	19861115	AT 1982-902934	19820819 <--
PRAI	US 1980-181465		19800826		
	US 1981-294203	A	19810819		
	EP 1982-902934	A	19820819		
	WO 1982-US1123	W	19820819		

L15 ANSWER 160 OF 177 CBNB COPYRIGHT 2005 EI on STN  
 AN 16(5):6144 CBNB  
 TI Amresco: buffers and detergents.  
 SO Chemical Market Reporter (1 Feb 1999) 255 (5), 4  
 CODEN: CMREF6 ISSN: 1092-0110

LA English  
PY 1999

L15 ANSWER 161 OF 177 CEABA-VTB COPYRIGHT 2005 DECHEMA on STN  
AN 1996(07):4224 CEABA-VTB FS B  
DN CEABA: 1996:6615890  
TI Extraction procedure for Chlamydia and Neisseria antigens  
AU Davidson, I. W.; Sheard, P. (Unilever Patent Holdings BV, Rotterdam, Netherlands)  
SO US Patent ( \*\*\*1995\*\*\* ) US 5387511(Appl. GB 8908548, Filed 14 Apr 1990)  
CODEN: USXXAM  
DT Patent  
LA English

L15 ANSWER 162 OF 177 DISSABS COPYRIGHT (C) 2005 ProQuest Information and Learning Company; All Rights Reserved on STN  
AN 1999:33655 DISSABS Order Number: AAR9904256  
TI CHARACTERIZATION OF INTEGRAL MEMBRANE PROTEINS USING MASS SPECTROMETRY: BACTERIORHODOPSIN, RHODOPSIN, AND NEUTROPHIL CYTOCHROME B(558) (CYTOCHROME B\$\SB{558}\$)  
AU BARNIDGE, DAVID ROBERT [PH.D.]; SUNNER, JAN [adviser]  
CS MONTANA STATE UNIVERSITY (0137)  
SO Dissertation Abstracts International, ( \*\*\*1998\*\*\* ) Vol. 59, No. 8B, p. 4067. Order No.: AAR9904256. 260 pages.  
DT Dissertation  
FS DAI  
LA English

L15 ANSWER 163 OF 177 DISSABS COPYRIGHT (C) 2005 ProQuest Information and Learning Company; All Rights Reserved on STN  
AN 94:20552 DISSABS Order Number: AAR9415845  
TI STRUCTURE AND DYNAMICS OF SIALYLATED GLYCOLIPIDS BY NMR  
AU AUBIN, YVES [PH.D.]; PRESTEGARD, JAMES H. [advisor]  
CS YALE UNIVERSITY (0265)  
SO Dissertation Abstracts International, ( \*\*\*1993\*\*\* ) Vol. 54, No. 12B, p. 6176. Order No.: AAR9415845. 166 pages.  
DT Dissertation  
FS DAI  
LA English  
ED Entered STN: 19940603  
Last Updated on STN: 19940603

L15 ANSWER 164 OF 177 DISSABS COPYRIGHT (C) 2005 ProQuest Information and Learning Company; All Rights Reserved on STN  
AN 91:24946 DISSABS Order Number: AAR9206654  
TI FLUORESCENCE AND NMR SPECTROSCOPIC STUDIES OF ORGANIZED BILE SALT MEDIA  
AU MEYERHOFFER, STEVEN MICHAEL [PH.D.]; MCGOWN, LINDA B. [advisor]  
CS DUKE UNIVERSITY (0066)  
SO Dissertation Abstracts International, ( \*\*\*1991\*\*\* ) Vol. 52, No. 9B, p. 4699. Order No.: AAR9206654. 168 pages.  
DT Dissertation  
FS DAI  
LA English  
ED Entered STN: 19921118  
Last Updated on STN: 19921118

L15 ANSWER 165 OF 177 DISSABS COPYRIGHT (C) 2005 ProQuest Information and Learning Company; All Rights Reserved on STN  
AN 90:41386 DISSABS Order Number: AAR9128865  
TI I. BIOORGANIC STUDIES ON RHODOPSIN ANALOGS FROM RETINALS CONTAINING AN EIGHT-MEMBERED RING IN THE SIDE CHAIN. II. PHOTOAFFINITY LABELING STUDIES ON THE STRUCTURE OF RHODOPSIN BY ATTEMPTING TO SYNTHESIZE 13-DIAZOACETOXYMETHYL-9-CIS-RETINAL  
AU CHEN, ARH-HWANG [PH.D.]  
CS COLUMBIA UNIVERSITY (0054)  
SO Dissertation Abstracts International, ( \*\*\*1990\*\*\* ) Vol. 52, No. 6B, p. 3039. Order No.: AAR9128865. 215 pages.

FS DAI  
 LA English  
 ED Entered STN: 19921118  
 Last Updated on STN: 19921118

L15 ANSWER 166 OF 177 DISSABS COPYRIGHT (C) 2005 ProQuest Information and Learning Company; All Rights Reserved on STN  
 AN 90:15980 DISSABS Order Number: AAR9025575  
 TI A MODEL FOR THE SELF-ASSOCIATION OF BILE SALTS, BASED ON LIGHT SCATTERING, HYDROPHOBIC PROBE FLUORESCENCE, AND COMPUTER SIMULATION STUDIES  
 AU NEUGEBAUER, JUDITH MARY [PH.D.]  
 CS CLARKSON UNIVERSITY (0049)  
 SO Dissertation Abstracts International, ( \*\*\*1990\*\*\* ) Vol. 51, No. 7B, p. 3396. Order No.: AAR9025575. 207 pages.  
 DT Dissertation  
 FS DAI  
 LA English  
 ED Entered STN: 19921118  
 Last Updated on STN: 19921118

L15 ANSWER 167 OF 177 DISSABS COPYRIGHT (C) 2005 ProQuest Information and Learning Company; All Rights Reserved on STN  
 AN 89:38920 DISSABS Order Number: AAR9025341  
 TI PHOSPHATIDYLETHANOLAMINE SYNTHESIS BY A BASE EXCHANGE REACTION IN CASTOR BEAN ENDOSPERM  
 AU SHIN, SUNGHO [PH.D.]; MOORE, THOMAS S., JR. [advisor]  
 CS THE LOUISIANA STATE UNIVERSITY AND AGRICULTURAL AND MECHANICAL COL. (0107)  
 SO Dissertation Abstracts International, ( \*\*\*1989\*\*\* ) Vol. 51, No. 4B, p. 1589. Order No.: AAR9025341. 114 pages.  
 DT Dissertation  
 FS DAI  
 LA English  
 ED Entered STN: 19921118  
 Last Updated on STN: 19921118

L15 ANSWER 168 OF 177 DISSABS COPYRIGHT (C) 2005 ProQuest Information and Learning Company; All Rights Reserved on STN  
 AN 89:20223 DISSABS Order Number: AAR9003559  
 TI ENZYMOLOGY OF L-PROLINE SYNTHESIS  
 AU RAYAPATI, PRASHANT JOHN [PH.D.]; STEWART, CECIL R. [advisor]; HACK, ETHAN [advisor]  
 CS IOWA STATE UNIVERSITY (0097)  
 SO Dissertation Abstracts International, ( \*\*\*1989\*\*\* ) Vol. 50, No. 9B, p. 3793. Order No.: AAR9003559. 164 pages.  
 DT Dissertation  
 FS DAI  
 LA English  
 ED Entered STN: 19921118  
 Last Updated on STN: 19921118

L15 ANSWER 169 OF 177 DISSABS COPYRIGHT (C) 2005 ProQuest Information and Learning Company; All Rights Reserved on STN  
 AN 88:15355 DISSABS Order Number: AAR8822067  
 TI CHARACTERIZATION OF 19-NOR-10-OXO-25-HYDROXYVITAMIN D3 PRODUCTION BY SOLUBILIZED CHICK KIDNEY MITOCHONDRIA  
 AU TRAN, JOHAN-CHANH MINH [PH.D.]; HENRY, HELEN L. [advisor]  
 CS UNIVERSITY OF CALIFORNIA, RIVERSIDE (0032)  
 SO Dissertation Abstracts International, ( \*\*\*1988\*\*\* ) Vol. 49, No. 8B, p. 3175. Order No.: AAR8822067. 151 pages.  
 DT Dissertation  
 FS DAI  
 LA English  
 ED Entered STN: 19921118  
 Last Updated on STN: 19921118

L15 ANSWER 170 OF 177 DISSABS COPYRIGHT (C) 2005 ProQuest Information and Learning Company; All Rights Reserved on STN  
 AN 87:15652 DISSABS Order Number: AAR8722768



(AD2) DNA-BINDING PROTEIN (DBP)  
 AU MANN, ROBERT SCOTT [PH.D.]  
 CS NEW YORK UNIVERSITY (0146)  
 SO Dissertation Abstracts International, ( \*\*\*1987\*\*\* ) Vol. 48, No. 7B, p.  
 1969. Order No.: AAR8722768. 170 pages.  
 DT Dissertation  
 FS DAI  
 LA English  
 ED Entered STN: 19921118  
 Last Updated on STN: 19921118

L15 ANSWER 171 OF 177 JICST-EPlus COPYRIGHT 2005 JST on STN  
 AN 1010346127 JICST-EPlus  
 TI Reconstitution of peptides and proteins into bicelle and NMR measurement.  
 AU OCHIAI KENJI; MORIKAWA TOMOHITO; NOGUCHI SHINJI; HAYASHI KAZUHIKO;  
 KUSUNOKI HIDEKI; KUBOTA KENJI; WAKAMATSU KAORI  
 SUGAI MARIKO; KONO TOSHIYUKI  
 CS Gunma Univ., Fac. of Eng.  
 Mitsubishikasei Inst. Life Sci.  
 SO NMR Toronkai Koen Yoshishu, (2000) vol. 39th, pp. 128-129. Journal Code:  
 L1460A  
 CY Japan  
 LA Japanese  
 STA New

L15 ANSWER 172 OF 177 JICST-EPlus COPYRIGHT 2005 JST on STN  
 AN 990128582 JICST-EPlus  
 TI The role of Tween 80 in biobleaching with manganese peroxidase.  
 AU EHARA KATSUNOBU; TSUTSUMI YUJI; NISHIDA TOMOAKI  
 CS Shizuoka Univ., Fac. of Agric.  
 SO Rigunin Toronkai Koenshu (Proceedings of the Lignin Symposium), (1998)  
 vol. 43rd, pp. 115-118. Journal Code: L1372A  
 CY Japan  
 LA Japanese  
 STA New

L15 ANSWER 173 OF 177 JICST-EPlus COPYRIGHT 2005 JST on STN  
 AN 980417409 JICST-EPlus  
 TI Effect of Treatment with Surfactants on Yeast Flocculation.  
 AU NISHIHARA H; IZUMI C; AZUMA T; KAWANAMI Y; TAKAO M  
 CS Kagawa Univ., Takamatsu, JPN  
 SO Kagawa Daigaku Kyoiku Gakubu Kenkyu Hokoku. 2 (Memoirs of the Faculty of  
 Education, Kagawa University. 2), (1998) vol. 48, no. 1, pp. 27-31.  
 Journal Code: F0109A (Fig. 1, Tbl. 3, Ref. 8)  
 ISSN: 0389-3057  
 CY Japan  
 DT Journal; Article  
 LA English  
 STA New

L15 ANSWER 174 OF 177 KOSMET COPYRIGHT 2005 IFSCC on STN  
 AN 12225 KOSMET FS scientific, technical  
 TI COMPARISON OF THREE IN VITRO CYTOTOXICITY ASSAYS FOR ESTIMATING  
 SURFACTANT OCULAR IRRITATION  
 AU VIAN L (AGENCE DU MEDICAMENT, 14 RUE ECOLE DE PHARMACIE, 34000  
 MONTPELLIER, FRANCE); VINCENT J; MAURIN J; FABRE I; GIROUX J; CANO J P  
 SO TOXICOL IN VITRO, 1995, 9(2), 185-190, 21 REFS  
 DT Journal  
 LA English

L15 ANSWER 175 OF 177 NTIS COPYRIGHT 2005 NTIS on STN  
 AN 1990(20):00389 NTIS Order Number: AD-A224 405/1/XAB  
 TI Organophosphate Detoxification. Influence of Detergents on the  
 Hydrolysis Rate of a Surrogate Nerve Gas Agent. Rept. for Oct 81-Jul 82.  
 AU Schmid, P.; Jaeger, J.  
 CS Letterman Army Inst. of Research, Presidio of San Francisco, CA.  
 (074051000 404912)  
 NR AD-A224 405/1/XAB; LAIR-IR-452

NC Project(s): 3M161102BS10  
 Task(s): EH  
 DT Report  
 CY United States  
 LA English  
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 OS GRA&I9022

L15 ANSWER 176 OF 177 NTIS COPYRIGHT 2005 NTIS on STN  
 AN 1983(15):07352 NTIS Order Number: PB83-172437/XAB  
 TI Nondenaturing Zwitterionic Detergents. Patent.  
 IN Hjelmeland, L. M.  
 PA Department of Health and Human Services, Washington, DC. (068119000)  
 NR PB83-172437/XAB; PAT-APPL-6-294 203, PATENT-4 372 888  
 9p; Filed 19 Aug 81, patented 8 Feb 83  
 PI US 4372888 19830208  
 AI US 1981-294203 19810819  
 DT Patent  
 CY United States  
 LA English  
 NTE Supersedes PAT-APPL-6-294 203.  
 AV This Government-owned invention available for U.S. licensing and,  
 possibly, for foreign licensing. Copy of patent available Commissioner  
 of Patents, Washington, DC 20231 \$1.00.  
 NTIS Prices: Not available NTIS  
 OS GRA&I8316

L15 ANSWER 177 OF 177 SCISEARCH COPYRIGHT (c) 2005 The Thomson Corporation  
 on STN  
 AN 91:675258 SCISEARCH  
 GA The Genuine Article (R) Number: GU368  
 TI QUANTUM YIELD OF \*\*\*CHAPSO\*\*\* -SOLUBILIZED RHODOPSIN AND 3-HYDROXY  
 RETINAL CONTAINING BOVINE OPSIN  
 AU GARTNER W (Reprint); ULLRICH D; VOGT K  
 CS UNIV FREIBURG, INST BIOL ZOOL 1, W-7800 FREIBURG, GERMANY  
 CYA GERMANY  
 SO PHOTOCHEMISTRY AND PHOTOBIOLOGY, ( \*\*\*1991\*\*\* ) Vol. 54, No. 6, pp.  
 1047-1055.  
 DT Article; Journal  
 FS LIFE  
 LA ENGLISH  
 REC Reference Count: 34  
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 STN INTERNATIONAL LOGOFF AT 11:42:55 ON 11 MAR 2005